proGlass®

AUTO GLASS TOOLS & ACCESSORIES

EDITION 2010/2011

PROGLASS

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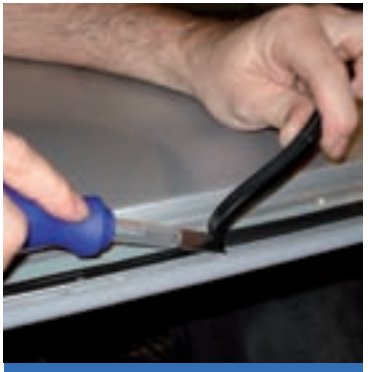

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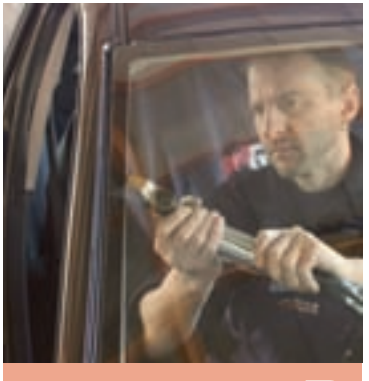

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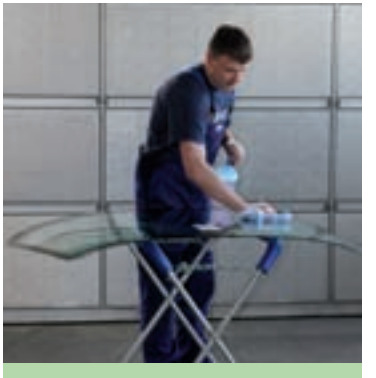

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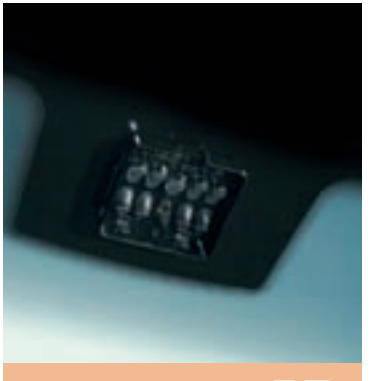

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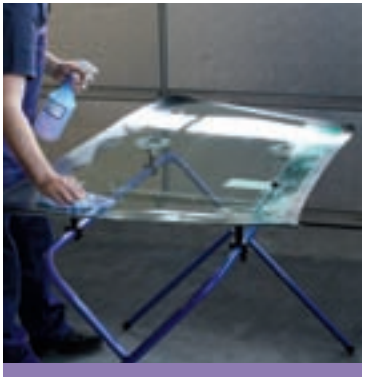

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IMPRINT

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Stuttgart, HRB 231787

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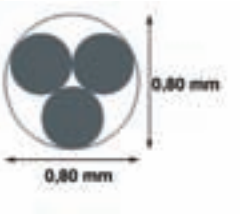
Date of issue: March 2010

1 WIRE CUT-OUT TECHNOLOGY



SD-22

ProGlass Sawing Wire,
braided, Ø 0,80 mm, 22 m on plastic spool

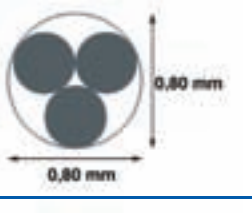
SD-44

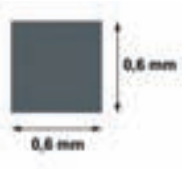
ProGlass Sawing Wire,
braided, ø 0,80 mm, 44 m on plastic spool

ProGlass sawing wire is made of three resistant, brass-plated steel wires that are braided to one strand. The result is a very stable and still flexible sawing wire with a diameter of 0,80 mm. Because of it's sawing action this wire is especially good for extra wide or tough bondings.

The wire is held on the plastic spool by a wide rubber band that makes it easy to spool off and cut a required portion.

Application: to saw only





VKD-22

ProGlass Cutting Wire,
squared, 0,6 x 0,6 mm, 22 m on plastic spool

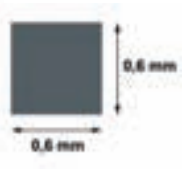
VKD-44

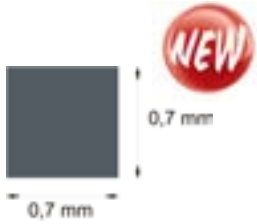
ProGlass Cutting Wire,
squared, 0,6 x 0,6 mm, 44 m on plastic spool

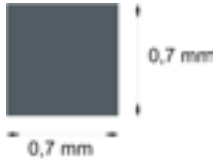
Because of its sharp edges this wire has the best cutting action when it is pulled - it is not made for sawing as it would break too fast! To avoid damages to the painted car body and to the interior squared cutting wire should be used mainly for cutting easily accesible bondings.

The wire is held on the plastic spool by a wide rubber band that makes it easy to spool off and cut a required portion.

Application: to pull only







XKD-22

ProGlass Cutting Wire, squared 0,7 x 0,7 mm, 22 m on plastic spool

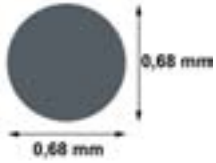
XKD-44

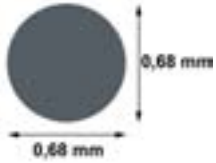
ProGlass Cutting Wire, squared 0.7 x 0.7 mm, 44 m on plastic spool

The tensile strength of ProGlass XKD cutting wire is by 36% higher than of VKD cutting wire. Therefore this square wire is especially good for cutting double beads or extremely wide polyurethane beads. Thanks to its high tensile strength and the excellent cutting ability this wire works also great with cutting systems like the Roll-Out or the Glass Bot

The wire is held on the plastic spool by a wide rubber band that makes it easy to spool off and cut a required portion while the remaining wire is safely held on the spool.

Application: to pull only





RD-22

ProGlass Round Wire Ø 0,68 mm, 22 m on plastic spool

RD-44

ProGlass Round Wire Ø 0,68 mm, 44 m on plastic spool

The round profile and the small diameter make this wire a real problem solver for today's cars with narrow gaps between glass and body. It has the same high tensile strength as our proven squared cutting wire but offers at the same time a much lower risk to damage interior linings and dashboards.

The wire is held on the plastic spool by a wide rubber band that makes it easy to spool off and cut a required portion while the remaining wire is safely held on the spool.

Application: to pull only

DSS-704

ProGlass Wire Cutting Kit, with squared and braided wire

Kit contains:
- 1 T-handle wire threader (item DST-733)
- 1 pair of wire handles (item DGL-200)
- 1 ProGlass sawing wire, 22 m (item SD-22)
- 1 ProGlass cutting wire, 22 m (item VKD-22)

SDK-202

ProGlass Wire Cut-Out Kit with braided wire

Kit contains:
- 1 wire threader (item DST-125)
- 1 pair of wire handles (item DGL-200)
- 1 ProGlass sawing wire, 22 m (item SD-22)

VKS-202

ProGlass Wire Cut-Out Kit with squared wire

Kit contains:
- 1 wire threader (item DST-125)
- 1 pair of wire handles (item DGL-200)
- 1 ProGlass cutting wire, 22 m (item VKD-22)

RDK-202

ProGlass Wire Cut-Out Kit with squared wire

Kit contains:
- 1 wire threader (item DST-125)
- 1 pair of wire handles (item DGL-200)
- 1 ProGlass round wire, 22 m (item RD-22)

DBP-6030

ProGlass Dashboard Protector

The Dashboard Protector is made of a 2 mm plastic material. The elastic plastic material adapts to all curves and is at the same time very imperishable and strong so that all cutting an sawing wires slide along easily. This tool is the perfect companion to cut out glasses using wire. Thanks to the special shape it can be used practically on all sides and corners of all cars. Any kind of damages to the sensible surfaces of interior parts can be actually avoided.

DBP-6030-S

ProGlass Dashboard Protector incl. 2 Vaccum Cups (DSN-37)

DSN-37

Double Vacuum Cup (2 pieces)
Ø 37 mm

The Double-Vacuum Cups fix the ProGlass Dashboard Protector wherever you need it. So you can use the Protector also on the A-pillars and roof side.

DH-280

ProGlass Wire Hold
approx. 300mm

The wire hold keeps cutting and sawing wire away from the dash board and interior linings. It holds the wire close to the glass - no matter in which direction you are pulling.

EDS-150

ProGlass One man wire cut-out tool kit

The 150 mm diameter sucker holds the wire absolutely reliable in place and takes over the part of the second person!

Very easy and fast attachment of the bell-shaped sucker by merely pressing it against the glass. The wire is driven very close to the glass to avoid damages to the dash board or interior linings.

Adapted for squared and round wire (not for sawing wire!)

Kit contains:
- 1 Sucker with wire fastener
- 1 Primer/Cleaner for Suction cups (item HRS-100)
- 1 ProGlass Round Wire, 22m (item RD-22)
- 1 ProGlass squared Cutting Wire, 22 m (item VKD-22)
- 1 Wire Threader (item DST-125)
- 1 Wire Handle with sucker (item DGL-201S)

EDS-150-0

ProGlass One man wire cut-out tool

Kit contains:
- 1 Sucker with wire fastener
- 1 Primer/Cleaner for Suction cups (item HRS-100)

HRS-100

Adhesive agent for suction cups
100ml can

It highly degreases the rubber and improves the adhesion between rubber and glass (it is recommended to degrease the glass also with this cleaner). Other cleaning agents with a similar efficient formule will destroy the rubber surface within short time.

ULR-120

Guide roller with pump suction cup

- for guiding the cutting wire on the inside of the vehicle
- optimized wire guiding
- facilitates cutting
- secure mounting to the glass with integrated vacuumpump
- suitable for manual use as well as for wire cutting tools
- suction cup Ø 120 mm

ULR-150

Guide roller with suction cup

- for guiding the cutting wire on the inside of the vehicle
- optimized wire guiding
- facilitates cutting
- easy mounting by merely pressing the bell-shaped suction cup against the glass
- suitable for manual use as well as for wire cutting tools
- suction cup Ø 150 mm

DSS-175 One man wire cut-out tool set

The 120 mm diameter sucker with rotating device and retaining spring pulls the wire back after each cut and so replaces the second person! Secure and fast attachment of the suction cup with approved clamping lever technology The wire is driven very close to the glass to avoid damages to the dash board or interior linings Adapted for sawing wire, only conditionally for round or squared cutting wire.

Kit contains:
- 1 Sucker with rotating and retaining device (item DSS-175-0)
- 1 ProGlass sawing wire, 22 m (item SD-22)
- 1 Wire Threader (item DST-125)
- 1 Wire Handle (item DGL-201)

DSS-175-0 One man wire cut-out tool

1 Sucker with rotating and retaining device

DGH-300 Wire Guide

The wire guide can prevent you from damaging the dash board, inner linings or the painted body of the vehicle. Length of the tip: 7 cm. Knurled head screw with thread in M4 for safer fastening of the wire!

DHL-300

Wire Guide, long Version

The extra long wire guide also works with the latest Mini-Vans and Coupés because his flat tip is real 16 cm long. Knurled head screw with thread in M4, for safe fastening of the wire!

DGS-301

ProGlass Wire Guide and Wire Handle

Kit contains:
- 1 wire guide (item DGH-300)
- 1 wire handle (item DGL-201)

DGL-200

Wire Handle Pair

These self-locking wire handles have an excellent grip on each type of wire. The handle is made of shock resistant plastic, sleeve and shaft are made of chrome-plated metal.

DGL-201

Wire Handle, single

These self-locking wire handles have an excellent grip on each type of wire. The handle is made of shock resistant plastic, sleeve and shaft are made of chrome-plated metal.

DGL-201S

Wire Handle with fixed sucker

The fixed sucker allows you to stick this handle to the glass or even the painted car body. So you can go around the vehicle's front and grab it from the other side easily. The handle will not fall down and hit the car body. The wire will not unnecessarily touch the painted car body or other damageable surfaces.

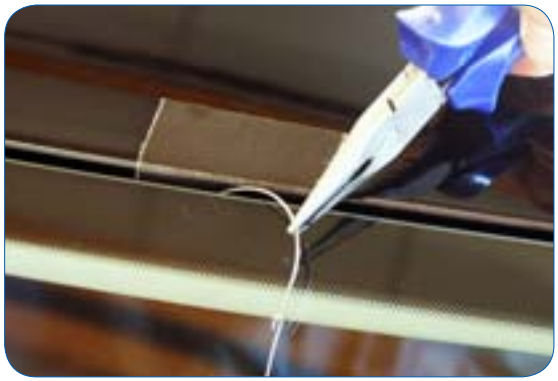
SPZ-160

Pointed Pliers with wire cutter
160 mm

Pointed pliers make it easy to grip the wire end after it passed the polyurethane. These pointed pliers do also have an integrated wire cutter.

DEG-SET

Curved Wire Threader Kit



The curved wire threader enables threading of the cutting wire even where the gap between the glass and the pinch weld is very small. This is especially helpful on side and back windows where conventional wire threaders are often difficult to use.

The curved threader can be pushed through the adhesive bead from inside to outside or from outside to inside. Piercing works best with the aid of some long-nosed pliers.

The Kit contains 1 piece of each curved wire threader in 53, 58 and 61 mm.

DEG-053

DEG-053

Curved Wire Threader, 53 mm
package at 3 pieces

DEG-058

Curved Wire Threader, 58 mm
package at 3 pieces

DEG-061

Curved Wire Threader, 61 mm
package at 3 pieces

DEG-058

DEG-061

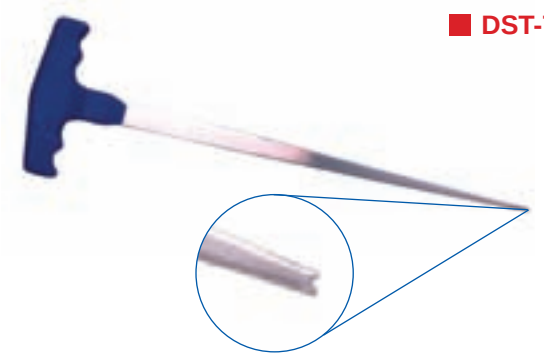
The curved wire threader enables threading of the cutting wire even where the gap between glass and pinch weld is very small. This is especially helpful on side and back windows where conventional wire threaders are often difficult to use.

The curved threader can be pushed through the adhesive bead from inside to outside or from outside to inside. Piercing works best with the aid of long-nosed pliers.

DST-125

T-Handle Wire Threader, small (length 125mm)

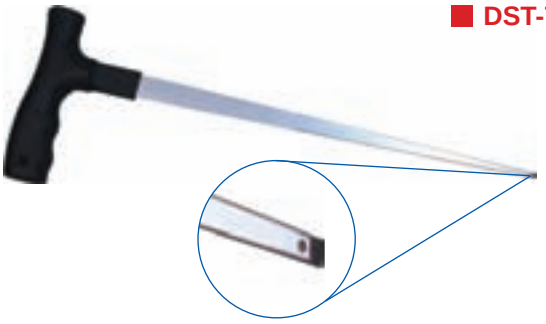
Hollow needle made of steel with a T-handle made of aluminium to pierce the polyurethane bead and pass the wire through.



DST-733

T-Handle Wire Threader, large (length 325mm)

Very solid wire threading device with a flexible blade made of spring steel. Just lay the wire in the notched tip and pass it through the polyurethane by pushing the tool from the inside to the outside.



DST-757

L-Handle Wire Threader, large (length 340mm)

Very solid wire threading device with a flexible blade made of spring steel. Push the tip through the polyurethane from the inside to the outside, pass the wire through the eye (Ø 1.6 mm) and pull the tool back.

DS-340

Wire Threader, large (length 340mm)

Very solid wire threading device with a flexible blade made of spring steel. Just lay the wire in the notched tip and pass it through the urethane by pushing the tool from the inside to the outside.

2 PULL-KNIFE CUT-OUT TECHNOLOGY

ZMQ-500

ProGlass Pull Knife with quick release system, with 1 stainless steel blade 25 mm

- Ergonomically shaped pull knife with optimized power transmission
- Non-skid and protecting covers to avoid scratches
- Blade exchange within seconds - without using a screwdriver!

SMQ-525

ProGlass Pull Knife ZMQ-500 with various blades, comes in plastic carrying case

Kit contains:

- 1 ProGlass Pull Knife (item ZMQ-500)
- 1 Stainless Steel Blade 25 mm (item UW-725)
- 1 Stainless Steel Blade 38 mm (item UW-738)
- 1 Scraper Blade 19 mm (item SK-119)
- 1 foam lined plastic case (240 x 215 x 45 mm)

ZMX-400

ProGlass Pull Knife with quick release system, with 1 stainless steel blade 25 mm

Same as ZMQ-500 but without handle covers.

ZGL-195

Pull Handle with neoprene cover

replacement pull-handle, suiteable for ProGlass pull-knifes ZMQ-500, ZML-395, ZMK-400 and ZHK-110

QC-200

REID Pull Knife with quick release system, with 1 stainless steel blade 25 mm

- Ergonomically shaped pull knife with optimized power transmission
- Non-skid and protecting covers to avoid scratches
- Blade exchange within seconds - without using a screwdriver!

RK-500

REID Pull Knife with quick release system, with 1 stainless steel blade 25 mm

- Ergonomically shaped pull knife with optimized power transmission
- Non-skid and protecting covers to avoid scratches
- Blade exchange within seconds - without using a screwdriver!

RK-500-01

Flexible cable pull handle

replacement pull-handle, suiteable for REID pull-knifes for RK-500 and QC-200

FA-500

REID Repair Kit for pull knives

Contains a screw and a plastic pad which fits the RK-500 and the QC-200.

UW-3007

UltraWiz Lever Pull Knife with fast release lever mechanism and flexible pull handle, with 1 blade 25mm

UltraWiz Lever Pull Knife with ergonomic handle design and unique fast release lever mechanism. Opening the lever releases the blade immediately. The blade can be adjusted stepless within a wide range. By closing the lever the blade is held in position securely.

UW-3001

UltraWiz Pull Knife with flexible pull handle with 1 blade 25mm

UltraWiz pull knife with ergonomic handle design. The lateral setscrew makes blade replacements faster than with standard pull knives.

UW-2002

UltraWiz Pull Knife, 2-Hand-Design with 1 blade 25mm

UltraWiz two-handed pull knife (without pull handle) with ergonomic handle design. The lateral setscrew makes blade replacements faster than with standard pull knives.

UW-3001RK

UltraWiz Pull Handle

for UW-3001 and UW-3007

ZML-395

ProGlass Pull Knife with neoprene cover with 1 blade 25mm

Rugged and proved standard pull knife with flexible pull handle. With neoprene covered handles and PVC covered pull cable for better handling and to avoid scratches.

Total length: 170 mm (incl. blade /excl. handle)

ZMK-110

ProGlass Pull Knife with neoprene cover short version, with 1 blade 25mm

Same as ZML-395 but with short handle. This facilitates working in constricted areas, e. g. below the bonnet.

Total length: 110 mm (incl. blade /excl. handle)

ZMS-382

ProGlass Pull Knife with aluminium handle with 1 blade 25mm

Rugged and proved standard pull knife with flexible pull handle for cutting out bonded windscreens and other car glasses.

Total length: 165 mm (incl. blade /excl. handle)

ZKS-110

ProGlass Pull Knife with aluminium handle, short version, with 1 blade 25mm

Same as ZMS-382 but with short handle. This facilitates working in consricted areas, e. g. below the bonnet.

Total length: 105 mm (incl. blade /excl. handle)

ZGS-182 **Aluminium Pull Handle**

for ZKS-110 and ZMS-382

RS-123 **ProGlass Repair Kit for standard pull knives**

Contains a screw, a screw nut and a plastic pad which fits the ZML-395, ZMK-110, ZMS-382, and ZKS-110.

RKB-141 **REID Pull Knife Blades, 24 mm, package of 6 pieces**

These blades have a 12.5 mm wide shank and can not be used with pull knives with quick release system or lateral setscrew in this catalouge.

RKB-143 **REID Pull Knife Blades, teflon coated, 24 mm, package of 6 pieces**

The teflon coating reduces the resistance compared to standard blades. These blades have a 12.5 mm wide shank and can not be used with pull knives with quick release system or lateral setscrew in this catalogue.

- **UW-119** — UltraWiz Pull Knife Blade 19 mm, package of 5 pieces
- **UW-1001-P** — UltraWiz Pull Knife Blade 19 mm, package of 10 pieces
- **UW-125** — UltraWiz Pull Knife Blade 25 mm, package of 5 pieces
- **UW-1002-P** — UltraWiz Pull Knife Blade 25 mm, package of 10 pieces
- **UW-138** — UltraWiz Pull Knife Blade 38 mm, package of 5 pieces
- **UW-1004-P** — UltraWiz Pull Knife Blade 38 mm, package of 10 pieces

- **UW-519** — UltraWiz Pull Knife Blade extra thin, 19 mm, package of 5 pieces
- **UW-5001-P** — UltraWiz Pull Knife Blade extra thin, 19 mm, package of 10 pieces
- **UW-525** — UltraWiz Pull Knife Blade extra thin, 25 mm, package of 5 pieces
- **UW-5002-P** — UltraWiz Pull Knife Blade extra thin, 25 mm, package of 10 pieces
- **UW-538** — UltraWiz Pull Knife Blade extra thin, 38 mm, package of 5 pieces
- **UW-5004-P** — UltraWiz Pull Knife Blade extra thin, 38 mm, package of 10 pieces

UWS-6 **UltraWiz Blade Assortment in 6 parts**

Kit contains:
- 1 UltraWiz Pull Knife Blade 19 mm
- 1 UltraWiz Pull Knife Blade 25 mm
- 1 UltraWiz Pull Knife Blade 38 mm
- 1 UltraWiz Pull Knife Blade, extra thin, 19 mm
- 1 UltraWiz Pull Knife Blade, extra thin, 25 mm
- 1 UltraWiz Pull Knife Blade, extra thin, 38 mm

UW-51C1 **UltraWiz Paint Protection Pull Knife Blade, 19mm package of 5 pieces**

UW-51C1-P **UltraWiz Paint Protection Pull Knife Blade, 19mm package of 10 pieces**

UW-51C2 **UltraWiz Paint Protection Pull Knife Blade, 25mm package of 5 pieces**

UW-51C2-P **UltraWiz Paint Protection Pull Knife Blade, 25mm package of 10 pieces**

UW-51C4 **UltraWiz Paint Protection Pull Knife Blade, 38mm package of 5 pieces**

UW-51C4-P **UltraWiz Paint Protection Pull Knife Blade, 38mm package of 10 pieces**

These blades have a smooth plastic coating on the back, so if the blade touches the paint, it will not be damaged. The coating is very tough and will not easily rub off. The blade is based on the UltraWiz UltraThin blade (5 series), so it is one of the thinnest blades in the industry.

- **CPS-846** — **BlueShield Pull Knife Blade, 19 mm package of 5 pieces**
- **CPM-847** — **BlueShield Pull Knife Blade, 25 mm package of 5 pieces**
- **CPL-848** — **BlueShield Pull Knife Blade, 38 mm package of 5 pieces**

BlueShield Pull Knife Blades are coated with a super tough coating that will slide along the paint without damaging it.

So these blades forgive eventually hits of the pinchweld area.

- **PWP-849** — **Defender Pull Knife Blade, 19 mm package of 5 pieces**
- **PMP-850** — **Defender Pull Knife Blade, 25 mm package of 5 pieces**
- **PLP-851** — **Defender Pull Knife Blade, 38 mm package of 5 pieces**

Defender Pull Knife Blades have a piece of self-lubricating plastic attached to the blade's back so that scratching the pinchweld becomes almost impossible.

But due to the additional material using this blade requires a greater space between the edge of the glass and the pinchweld.

* than standard blades.

- **RCB-175-P** **REID Cobra Stainless Steel Blade, 19 mm, package of 6 pieces**
- **RCB-175-S/S** **REID Cobra Stainless Steel Blade, 19 mm**
- **RCB-110-P** **REID Cobra Stainless Steel Blade, 25 mm, package of 6 pieces**
- **RCB-110-S/S** **REID Cobra Stainless Steel Blade, 25 mm**

The unique cutting surface of Reid Cobra Blades was developed after looking at blades auto glass technicians had resharpened. The blades had all taken on a slight convex shape. Through experimentation, Reid found the convex surface cuts easier and faster through urethane than flat top alternatives. The geometry of the Cobra Blades is possible because of specialty grinding methods, finely honing the edge thinner and sharper than any other pull knife blade on the market.

* than standard blades.

- **RKB-410-P** **REID Stainless Steel Blade, 25 mm with extended shank, package of 6 pieces**
- **RKB-410-S/S** **REID Stainless Steel Blade, 25 mm with extended shank**
- **RKB-415-P** **REID Stainless Steel Blade, 38 mm with extended shank, package of 6 pieces**
- **RKB-415-S/S** **REID Stainless Steel Blade, 38 mm with extended shank**

RKB-75-P **Pull knife blade, stainless steel 19 mm, package of 6 pieces**

RKB-75-S/S **Pull knife blade, stainless steel 19 mm**

RKB-10-P **Pull knife blade, stainless steel 25 mm, package of 6 pieces**

RKB-10-S/S **Pull knife blade, stainless steel 25 mm**

RKB-15-P **Pull knife blade, stainless steel 38 mm, package of 6 pieces**

RKB-15-S/S **Pull knife blade, stainless steel 38 mm**

USS-190 **Universal Sharpening Stone with handle**

This sharpening stone with plastic handle is ideal for sharpening all pull knife blades, scraper blades, utility blades and power tool blades.

Working is much easier with a sharp blade!

UW-719	**UltraWiz Pull Knife Blade 19 mm, made of stainless steel, single packed**
UW-7001-P	**UltraWiz Pull Knife Blade 19 mm, made of stainless steel, package of 10 pieces**
UW-725	**UltraWiz Pull Knife Blade 25 mm, made of stainless steel, single packed**
UW-7002-P	**UltraWiz Pull Knife Blade 25 mm, made of stainless steel, package of 10 pieces**
UW-738	**UltraWiz Pull Knife Blade 38 mm, made of stainless steel, single packed**
UW-7004-P	**UltraWiz Pull Knife Blade 38 mm, made of stainless steel, package of 10 pieces**

UWE-3 — **UltraWiz Stainless Steel Blade Assortment in 3 parts**

Kit contains:
- 1 UltraWiz stainless steel blade 19 mm
- 1 UltraWiz stainless steel blade 25 mm
- 1 UltraWiz stainless steel blade 38 mm

ZK-0119 **ProGlass Pull Knife Blade 19 mm, made of stainless steel, single packed**

ZK-0119-P **ProGlass Pull Knife Blade 19 mm, made of stainless steel, package of 5 pieces**

ZK-0125 **ProGlass Pull Knife Blade 25 mm, made of stainless steel, single packed**

ZK-0125-P **ProGlass Pull Knife Blade 25 mm, made of stainless steel, package of 5 pieces**

ZK-0138 **ProGlass Pull Knife Blade 38 mm, made of stainless steel, single packed**

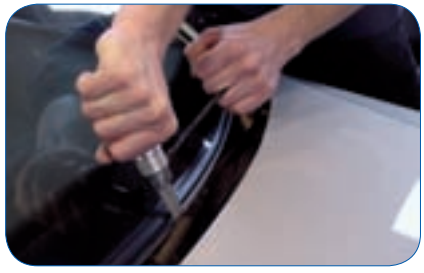
ZK-0138-P **ProGlass Pull Knife Blade 38 mm, made of stainless steel, package of 5 pieces**

ZKS-150 **ProGlass Special Pull Knife Blade, made of stainless steel 30 mm use for low lying PU bondings, single packed**

ZKS-180 **ProGlass Special Pull Knife Blade, made of stainless steel 60 mm use for low lying PU bondings, single packed**

This blade series enables you to use a pull knife where you could never use it before!

The 60 mm long blade is intended to cut all those hard to reach PU bondings that are far away from the glasses edge and where a normal pull knife blade could never reach. But also all lower glass edges with surmounting wings and bonnets are a perfect field of application for this blade. The 30 mm version makes it even easier to cut across the lower glass edge if the PU bonding is not shifted from the edge.



UW-1022

**UltraWiz Special Blade, 25mm,
package of 5 pieces**

This blade facilitates the removal of glasses where the moulding is bonded to the pinch weld. Enter the blade between glass and moulding and cut out the glass. The moulding will stay on the pinch weld. Then the moulding can be easily removed with a scraper or knife.

UW-5500

**UltraWiz Interior Pull Knife Blade 13 mm
package of 5 pieces**

UW-5501

**UltraWiz Interior Pull Knife Blade 19 mm
package of 5 pieces**

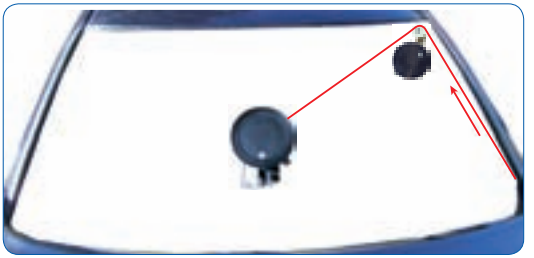
Finally a blade series that enables you to use your pull knife from inside the vehicle! With these blades you can cut out many side and back glasses with ease.

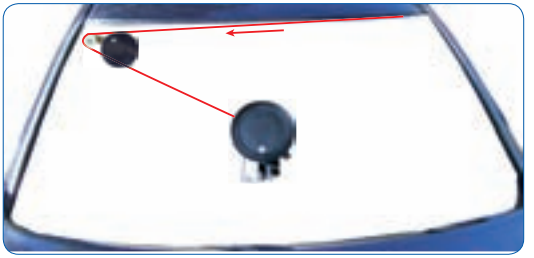
Don’t believe it? Try to cut out the next back glass of a VW Golf III with the 13 mm long blade and you will be surprised.

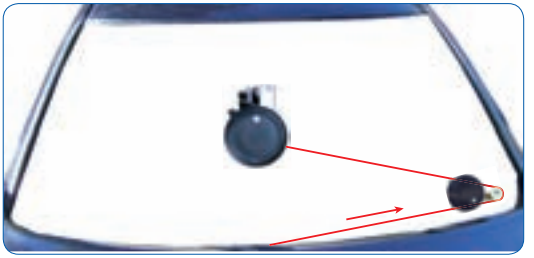
3 WINDSCREEN CUT-OUT TOOLS

GLASS BOT™

Fix the GLASS BOT on the inside of the windscreen and feed the cutting wire along the glasses edge on the outside. The high-torque electric motor slowly winds up the wire on a spindle and pulls it from outside to inside by cutting through the polyurethane (cutting speed approx. 4 cm/s). The operator always retains full control over the cutting process – by releasing the remote control's switch the motor stops immediately. By displacing the guide roller – as shown in the figures – the wire will be guided in a favourable angle on the inside. Thereby the operator always has a free hand left, e. g. to simultaneously move the dashboard protector.







- No other power tool on the market cuts with a wire from exterior inwards, eliminating the risk of pinch weld damage
- no nerv or muscle damage from high vibration tools (no hand/ arm vibration)
- no physical strain for the operator
- today's vehicles have very tight tolerances between glass and body that restrict the use of pull knives and other cutting tools
- open pinchwelds require - more than ever - that the removal process does not damage the paint
- clients appreciate to see their cars treated with care, so using the GLASS BOT enhances your company image
- thanks to the battery operation also suitable for mobile use

GBS-180C

GLASS BOT Wire Cutting Tool, battery powered complete kit in plastic case

Patent pending

Kit contains:
- 1 GLASS BOT wire cutting tool for battery operation
- 1 rechargeable battery BP-018P
- 1 battery charger PBA-7224
- 2 rolls of cutting wire XKD-44
- 1 wire threader DST-757
- 1 sucker with wire fastener
- 1 guide roller with pump suction cup ULR-120
- 1 can adhesive agent for suction cups HRS-100
- 1 dashboard protector DBP-4525
- 1 wire guide DH-280
- 1 pair of safety goggles SB-886
- foam lined plastic case
  500 x 375 x 175 mm

GB-10C

GLASS BOT Wire Cutting Tool, battery powered

Patent pending

Kit contains:
- 1 GLASS BOT wire cutting tool for battery operation
- 1 rechargeable battery BP-018P
- 1 battery charger PBA-7224

BP-018-P

Rechargeable Battery for ‘Glass Bot’ tool

Technical data:
- Battery type: NiMH
- Voltage: 18 V
- Capacity: 3000 mAh

OM-520

**ProGlass Cut-Out-Knife “Heavy Duty”
with 1 blade OK-51**

- Rugged tool for frequent use
- Powerful air motor with 22,000 rpm
- Backward facing air exhaust with silencer
- Safety throttle to avoid an unintended start of the motor
- Delivered with hex key for blade exchange
- Blade clamp fits all FEIN blades
- Air connection 1/4, air consumption 300 l/min
- net weight: approx. 1,0 kg

OM-605

**ProGlass Cut-Out-Knife ”Economy”
with 1 blade OK-51**

- Standard tool for occasionally use
- Rugged air motor with 22,000 rpm
- Backward facing air exhaust with silencer
- Safety throttle to avoid an unintended start of the motor
- Delivered with special key for blade exchange
- Blade clamp fits all FEIN blades
- Air connection 1/4, air consumption 220 l/min
- net weight: approx. 0,95 kg

OM-610

**ProGlass Cut-Out-Knife “Heavy Duty”
with 1 blade OK-51**

Professional oscillating air knife for fast removal of bonded car glasses. Extra low vibration drive for non-tiring work under regular and frequent use.

- Rugged air motor with 22,000 rpm
- Backward facing air exhaust
- with silencer
- Safety throttle to avoid an unintended start of the motor
- Delivered with special key for blade exchange
- with swivelling and removable extra handle
- Blade clamp fits all FEIN blades
- Air connection 1/4, air consumption 300 l/min
- net weight: approx. 1,15 kg

OMS-520

ProGlass Auto Glass Cut-Out Knife Kit Heavy Duty in plastic case

Kit contains:
- 1 cut-out knife OM-520 with1 cutting blade OK-51
- 1 scraper blade OK-50
- 1 cutting blade OK-52
- 1 cutting blade OK-53
- 1 cutting blade OK-54
- 1 hex key
- 1 foam lined plastic case 330 x 290 x 80 mm

OMS-605

ProGlass Auto Glass Cut-Out Knife Kit Economy in plastic case

Kit contains:
- 1 cut-out knife OM-605 with 1 cutting blade OK-51
- 1 scraper blade OK-50
- 1 cutting blade OK-52
- 1 cutting blade OK-53
- 1 cutting blade OK-54
- 1 special key
- 1 foam lined plastic case 330 x 290 x 80 mm

OMS-610

ProGlass Auto Glass Cut-Out Knife Kit Deluxe in plastic case

Kit contains:
- 1 cut-out knife OM-610 with
- 1 cutting blade OK-51 and 1 extra handle
- 1 scraper blade OK-50
- 1 cutting blade OK-52
- 1 cutting blade OK-53
- 1 cutting blade OK-54
- 1 special key
- 1 foam lined plastic case 330 x 290 x 80 mm

OK-50

Scraper Blade, cranked,
16 mm wide

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

OK-51

Cutting blade, straight, cranked
cutting depth 50 mm

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

OK-52

Cutting blade, straight,
cutting depth 35 mm

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

OK-53

Cutting blade, curved, cranked,
cutting depth 55 mm

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

OK-54

Cutting blade, straight, cranked
cutting depth 90 mm

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

51847

NEW

Viper blade, short, L-shaped
cutting depth 19 mm

These L-shaped blades are used for cutting out bonded vehicle glasses without damaging the neighbouring pinchweld. At the same time Viper blades are very robust and cut through tough polyurethane beads, where other blades would give up and break.

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

51848

NEW

Viper blade, long, L-shaped
cutting depth 25 mm

These L-shaped blades are used for cutting out bonded vehicle glasses without damaging the neighbouring pinchweld. At the same time Viper blades are very robust and cut through tough polyurethane beads, where other blades would give up and break.

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

51849

NEW

Viper blade, extra-long, L-shaped
cutting depth 38 mm

These L-shaped blades are used for cutting out bonded vehicle glasses without damaging the neighbouring pinchweld. At the same time Viper blades are very robust and cut through tough polyurethane beads, where other blades would give up and break.

The blades are compatible with the current oscilating tools from Fein, CP, ProGlass, Rodcraft, Equalizer, etc.

SAR-012

Air Hose Reel, blue

Heavy duty composite case construction. With swivelling wall bracket for easy installation. Polyurethane braid hose. Delivered with one air plug (ProGlass art. OP-20M) and one coupler (ProGlass art. OC-20F) for immediate use.

Technical data:
- Hose length: 12 m
- Hose-Ø: 8 x 12 mm
- max. operating pressure: 15 bar

DLL-806

PU Recoil Air Hose
Inside-ø 8,0 mm, 6 m long, air connection 1/4”

Connection hose made of flexible polyurethane. The spiral hose can be extendet on up to 80 % of ist total length (useable length = 4,80 m).

PT-321

Direct lubricator (not filled)
air connection 1/4”

This handy lubricator can be placed between air hose and tool and maintains the tool. Your air tool will get the right amount of oil automatically.

ATO-100

Air Tool Oil, bottle at 100 ml

This heavy duty air tool oil can be used for all air tools in our catalogue. Air tools must be oiled daily when used regularly. If you use your tool not regularly your must oil it before and after each use (and run the motor for some seconds). The bottle with the long fine tip makes it easy to fill the direct lubricator PT-321.

DLR-160 **Air Regulator 11 bar (160 psi)**
air connection 1/4”

Very compact air regulator with pressure gauge to regulate the required working pressure.

DG-322 **Rotary Joint for air hoses**
air connection 1/4”

The rotary joint prevents the air hose from damages or early wear-out.

Rotatable at 360°.

OC-20F **Coupler for compressed Air, inside thread R 1/4”**

OC-20M **Coupler for compressed Air, outside thread R 1/4”**

OP-20F **Air Plug with inside thread R 1/4”**

OP-20M **Air Plug with outside thread R 1/4”**

OS-20F **Air socket with inside thread R 1/4”**

OD-20M **Air socket with outside thread R 1/4”**

FEC-416

FEIN SuperCut Automotive FSC 1.6, in toolcase with accessories

Kit contains:
- 1 Electronic cutter 400 W
  11.000-18.500 1/min, net weight: approx. 1.3 kg
- 1 Blade exchange key
- 1 Sharpening stone
- 1 Plastic tool case

FEC-416Q

FEIN SuperCut Automotive FSC 1.6Q with QuickIN, in toolcase with accessories

Kit contains:
- 1 Electronic cutter 400 W
  11.000-18.500 1/min, net weight: approx. 1.3 kg
- 1 Protective cover
- 1 Sharpening stone
- 1 Plastic tool case

FEC-416Q-A

FEIN professional set for vehicle glazing

Kit contains:
- 1 FEIN SuperCut 1.6Q with plastic tool case (FEC-416Q)
- 3 L-shaped cutter blades, toothed (FB-207)
- 2 L-shaped cutter blades, toothed (FB-208)
- 1 L-shaped cutter blade, toothed (FB-209)
- 1 hook blade (FB-111)
- 1 hook blade(FB-157)
- 2 hook blades (FB-212)
- 1 straight cutter blade
  Z-bend, with adjustable stop roller (FB-143)
- 1 straight cutter blade, Z-bend, toothed (FB-081)

FEC-416Q-KFZ FEIN professional set for automobile workshops

Kit contains:
- 1 FEIN SuperCut 1.6Q in plastic tool case
- 2 hook blades (FB-076)
- 1 hook blade (FB-079)
- 1 hook blade (FB-101)
- 2 L-shaped cutter blades, toothed (FB-207)
- 1 L-shaped cutter blade, toothed (FB-208)
- 1 Hook blade, reinforced (FB-157)
- 1 straight cutter blade, Z-bend, with adjustable stop roller (FB-143)
- 1 shovel-shaped scraper blade with scrape protection coating (form 129)
- 1 HSS saw blade Ø 80 mm (FSB-103)
- 1 stopper knife

FEC-416Q-C FEIN professional set for cargo

Kit contains:
- 1 FEIN SuperCut FSC 1.6Q in plastic tool case
- 2 straight cutter blades, toothed (FB-073)
- 2 straight cutter blade, Z-bend, toothed (FB-081)
- 1 hook-shaped cutter blade, toothed (FB-217)
- 1 curved cutter blade, Z-bend, toothed (FB-072)
- 2 L-shaped cutter blades, toothed (FB-207)
- 1 L-shaped cutter blade, toothed (FB-209)
- 1 hook blade, toothed (FB-212)
- 1 shovel-shaped scraper blade with scrape protection coating (form 105)
- 1 traction cable with fastening

FB-072	FEIN Cutting Blade, cranked, length* 45 mm, package of 2 pieces
FB-073	FEIN Cutting Blade, straight, length* 56/35 mm, package of 2 pieces
FB-076	FEIN Hooked Blade, length* 24 mm, package of 2 pieces
FB-079	FEIN Hooked Blade, length* 36 mm, package of 2 pieces
FB-081	FEIN Cutting Blade, cranked, length* 85/60 mm, package of 2 pieces
FB-101	FEIN hooked blade, 60 mm, package of 2 pieces
FB-107	FEIN hooked blade, 60 mm, package of 2 pieces
FB-110	FEIN hooked blade, 40 mm, package of 2 pieces
FB-111	FEIN Hooked Blade, length* 95 mm, package of 2 pieces
FB-121	FEIN cutting blade, straight, 56/26 mm, package of 2 pieces
FB-123	FEIN cutting blade, cranked, 55/32 mm, package of 2 pieces
FB-124	FEIN Cutting Blade, length* 25 mm, package of 2 pieces
FB-128	FEIN special blade, package of 5 pieces
FB-132	FEIN Cutting Blade for vehicles with extreme large bonding beads, package of 2 pieces
FB-143	FEIN cutting blade, 16-35 mm, package of 2 pieces
FB-147	FEIN Blade, length 32 mm, package of 2 pieces
FB-157	FEIN Cutting Blade, length* 60 mm, package of 2 pieces

- **FB-168** — FEIN Blade, cranked, length 45 mm, package of 2 pieces
- **FB-176** — FEIN cutting blade, straight, 74/40 mm, package of 2 pieces
- **FB-194** — FEIN Cutting Blade, cranked, length* 110 mm, package of 2 pieces

- **FB-207** — FEIN Cutting Blade, L-shaped, length* 25,4 mm, package of 2 pieces
- **FB-208** — FEIN Cutting Blade, L-shaped, length* 19 mm, package of 2 pieces
- **FB-209** — FEIN Cutting Blade, L-shaped, length* 38 mm, package of 2 pieces

- **FB-210** — FEIN Hooked Blade, length 19 mm, package of 2 pieces
- **FB-211** — FEIN Hooked Blade, length 25,5 mm, package of 2 pieces
- **FB-212** — FEIN Hooked Blade, length 38 mm, package of 2 pieces

- **FB-217** — FEIN Hooked Blade, length 38 mm, package of 2 pieces
- **FBS-129** — FEIN Scraper Blade Set, containing 2 scraper blades, 12 and 25 mm wide

- **FSB-102** — FEIN Saw Blade, ø 63 mm, package of 2 pieces
- **FSB-103** — FEIN Saw Blade, ø 80 mm, package of 2 pieces

AEB-403

Equalizer® Excalibur Standard Kit

Pneumatic version of the unique Equalizer Auto Glass Cut-Out tool. Cuts almost any car glass from inside the vehicle.

- Powerful 375 Watt air motor with silencer
- 4,200 rpm for fast and vibration-free cutting
- Extremely compact, light-weight and sturdy tool
- Safety throttle to avoid an unintended start of the motor
- special T-handle key for exchanging the blade
- Air connection 1/4 inch
- air consumption 230 l/min
- Patented Equalizer® system

Kit contains:
- 1 Air-powered ‘Excalibur’ tool, net weight approx. 1.6 kg
- 1 Serrated Blade 200 mm
- 1 Sheath 200 mm
- 1 T-handle hex key 1/8 inch

AEB-406

Equalizer® Excalibur Deluxe Kit in storage case with accessories

Pneumatic version of the unique Equalizer Auto Glass Cut-Out tool. Cuts almost any car glass from inside the vehicle. Tool characteristics same as AEB-403, delivered with a wide range of accessories in a plastic tool case.

- Powerful 375 Watt air motor with silencer
- 4,200 rpm for fast and vibration-free cutting
- Extremely compact, light-weight and sturdy tool
- Safety throttle to avoid an unintended start of the motor
- special T-handle key for exchanging the blade
- Air connection 1/4 inch
- air consumption 230 l/min
- Patented Equalizer® system

Kit contains:
- 1 Air-powered ‘Excalibur’ tool, net weight approx. 1.6 kg
- 2 x 100 mm, 2 x 300 mm, 1 x 200 mm Blades
- 1 Serrated Blade 200 mm
- 1 x 100 mm, 1 x 200 mm, 1 x 300 mm Sheath
- 1 Pair of safety glasses
- 1 T-handle hex key 1/8 inch
- 1 Video instruction (DVD)
- 1 Foam lined plastic case 500 x 375 x 175 mm

EM-415XP

Equalizer® Magnum Standard Kit, 220 V

Electric version of the unique Equalizer Auto Glass Cut-Out tool. Cuts almost any car glass from inside the vehicle.

- Powerful and durable 520 Watt electrical motor
- Electronic speed control from 0 - 3,200 rpm
- Ball bearing drive shaft
- Robust gearing
- special T-handle key for exchanging the blade
- Patented Equalizer® system

Kit contains:
- 1 Electric Magnum XP tool, 230 V / 50 Hz
- 1 Serrated blade 200 mm
- 1 Sheath 200 mm
- 1 T-handle hex key 1/8

EM-417XP

Equalizer® Magnum Deluxe Kit, 220 V in storage case with accessories

Electric version of the unique Equalizer Auto Glass Cut-Out tool. Cuts almost any car glass from inside the vehicle.

- Powerful and durable 520 Watt electrical motor
- Electronic speed control from 0 - 3,200 rpm
- Ball bearing drive shaft
- Robust gearing
- special T-handle key for exchanging the blade
- Patented Equalizer® system

Kit contains:
- 1 Electric Magnum XP tool, 230 V / 50 Hz
  net weight approx. 2.6 kg
- 2 x 100 mm, 1 x 200 mm, 2 x 300 mm Blades
- 1 Serrated blade 200 mm
- 1 x 200 mm, 1 x 100 mm, 1 x 300 mm Sheath
- 1 Pair of safety glasses
- 1 T-handle hex key 1/8
- 1 Video instruction (DVD)
- 1 foam lined plastic case

ECT-113

Equalizer® Magnum electric cut-out knife, 220 V, Deluxe kit.

Battery powered version of the unique Equalizer Auto Glass Cut-Out tool. Cuts almost any car glass from inside the vehicle.

- Powerful and durable 520 Watt electrical motor
- Electronic speed control from 0 - 3,200 rpm
- Ball bearing drive shaft
- Robust gearing
- special T-handle key for exchanging the blade
- Patented Equalizer® system

Kit contains:
- 1 Battery-powered Freedom tool, net weight approx. 2.6 kg
- 2 Blades 100 mm
- 1 Blade 200 mm
- 1 Serrated Blade 200 mm
- 2 Blades 300 mm
- 1 Sheath 100 mm
- 1 Sheath 200 mm
- 1 Sheath 300 mm
- 1 Pair of safety glasses
- 1 T-handle hex key 1/8
- 1 Charger 12V resp. 230V
- 1 Video Instruction (DVD)
- 1 foam lined plastic case

ESB-1304-P **Equalizer® Serrated blade 100 mm, package of 5 pieces**

ESB-1308-P **Equalizer® Serrated blade 200 mm, package of 5 pieces**

ESB-1312-P **Equalizer® Serrated blade 300 mm, package of 5 pieces**

Equalizer® serrated blades are especially recommended for very hard or extremely wide polyurethane beads.

EEB-793-P **Equalizer® Blade 100 mm, package of 5 pieces**

EEB-793-P **Equalizer® Blade 200 mm, package of 5 pieces**

EEB-793-P **Equalizer® Blade 300 mm, package of 5 pieces**

Equalizer® Classic blades with a plain sharpening.

EES-804 **Equalizer® Sheath 100 mm**

EES-804 **Equalizer® Sheath 200 mm**

EES-804 **Equalizer® Sheath 300 mm**

The sheath is the unique, patented idea that makes the Equalizer® line of tools work. It guides the blade, regulates the cutting depth and protects the interior.

ESC-780 **Sheath cleaning container**

KLR-500 **ProGlass PUR-Remover, bottle at 500 ml**

Polyurethane and butyl can easily enter the sheath and cause excess strain on the drive unit. Therefore you should clean the sheath after each use. Best you put them into the economical sheath cleaning container and leave them there over night.

Equalizer®

The Equalizer Express series is based on the well-known Equalizer Auto Glass Cut-Out Tool. The principle of operation of the Express tools is still very similar to the first Equalizer: The adhesive bead is cut from inside of the vehicle. The blade‘s stroke movement lets it cut through the polyurethane rubber with short and fast strokes.

While the classic Equalizer tools use a narrow and pointed blade the Express tools are using much wider blades that look pretty much like a putty knife or a scraper. These wide and flexible blades open up new possibilities! The powerful tools of the Express series push the blades through all kind of polyurethane with ease. Thereby the blades do not only leave a small cut (like the classic tools), but with every stroke of the tool they cut a few centimeters of the bead. The photos show where these toll have a real advantage: Wide or double adhesive layers at the bottom side of a windscreen are cut really effortless. With some routine you may also use these tools for cutting across A-pillars and the roof side - but as you can imagine, this has to be done very carefully. The Express tools also love glass removals on commercial vehicles. With their high-powered motors they easily cut through 5 cm wide adhesive beads and more.

DTE-1000

LDT-204

SP-1416

LDT-204

Equalizer® Express® StingRay
230 V, Standard Kit

Electric version of the unique Equalizer Express Cut-Out tools. Cuts almost any car glass from inside the vehicle.The StingRay is the new top model of the Equalizer® Express® series. The multi ball bearing drive garanties a maximum power ouput. At the same time the StingRay has a low profile and is more handy than its predecessors. The ergonomic design gives you a comfortable, natural grip.

Kit contains:
- 1 Electric StingRay tool, net weight approx. 3.6 kg
- 1 Blade BFE-1400
- 1 Instructional DVD
- 1 Pair of safety glasses
- 1 foam lined plastic case

SP-1416

Equalizer® Express®
air-powered

Air-powered version of the unique Equalizer Express Cut-Out tools. Cuts almost any car glass from inside the vehicle. The air tool has the most compact size among the Equalizer® Express® tools. It uses the extremely strong and proven 1-horsepower motor of the Equalizer Excalibur and has plenty of power to cut the thickest urethane.

Kit contains:
- 1 Air-Powered Express tool, net weight approx. 1.8 kg
- 1 Blade LBE-1402
- 1 T-handle hex key 1/8
- 1 Instructional DVD
- 1 Pair of safety glasses 1 foam lined plastic case

DTE-1000 **Equalizer Express XRP 18 V with 230 V charger**

DTA-1007 **Equalizer Express XRP 18 V with 12 V charger**

Battery powered version of the unique Equalizer Express Cut-Out tools. Cuts almost any car glass from inside the vehicle. The Equalizer® Express® XRP is designed to cut through the toughest polyurethane. The heavy-duty 18-Volt motor provides the power to cut the widest and hardest beads. But the best thing is that you can work everywhere because you are independant from electricity and air supply.

Kit contains:
- 1 Battery-Powered XRP tool
- 1 Blade BFE-1400
- 1 Instructional DVD
- 1 Pair of safety glasses
- 1 Charger 12V resp. 230V
- 1 foam lined plastic case

DW-9096XR **Battery Pack for Equalizer Express XRP 18 Volt NiCd**

ES-1406

Equalizer® Express® Sheath

The sheath is the unique, patented idea that allows the Equalizer® Express® to use a flexible blade and still have the strength to cut the toughest polyurethane. All Express® tools use the same sheath.

BFE-1400

Equalizer® Express® Blade standard wide

BFE-1401

Equalizer® Express® Blade standard narrow

The Equalizer® Express® Blades were developed from daily use on hundreds of different vehicles. The BFE-1400 is the most used size and is perfect for slicing through wide bands of polyurethane. It works well in all places where you plunge cut or angle cut. The BFE-1401 blade is perfect for removing glass that is not broken. The narrow blade is more flexible and puts less stress on the glass.

BFE-1420

Equalizer® Express® Blade finger-shaped

In some areas the normal Express® Blades are too wide and can not reach in every corner. The round tip of the BFE-1420 will reach into every corner and cut the polyurethane.

LBE-1402 **Equalizer® Express® Blade**
extra long, wide (long 300 mm, 76 mm wide)

LBE-1403 **Equalizer® Express® Blade**
extra long, narrow (long 300 mm, 38 mm wide)

On many vehicles the polyurethane is far below the dashboard and can not be reached with a standard blade. In situations like this, you will need to use one of the blades LBE-1402 or LBE-1403. They perform the same function as the standard blades, but are about 50 mm longer.

RLE-1404 **Equalizer® Express® Blade**
extra long, wide (355 mm long, 76 mm wide)

On vehicles such as the Peugeot 307, Mercedes SL, VW Touran and many others even the long blades could be too short to cut the polyurethane without the tool touching the dash. For those vehicles you should keep one of the 355 mm long blades RLE-1404 in your tool box.

EHB-186 **Equalizer® Express® HydroBlade wide, 250mm long (250 mm long, 76 mm wide)**

EHL-187 **Equalizer® Express® HydroBlade wide, 300mm long (300 mm long, 76 mm wide)**

Express® HydroBlades have a series of small dimples stamped on the side of the blade that rides against the polyurethane. These dimples are designed to carry cutting lubricant into the polyurethane. The cutting lubricant allows for each stroke of the blade to slide easily through the polyurethane. Besides making the blade cut easier they also save battery life and reduce vibration because of the reduced friction on the blade.

side view

BFS-1421 **Equalizer® Express® Blade spacer blade, narrow (250 mm long, 38 mm wide)**

BFS-1422 **Equalizer® Express® Blade, spacer blade, wide (250 mm long, 76 mm wide)**

Some vehicles such as the Ford Focus, VW Golf III and Polo III, etc. have a moulding with a metal core inside. If you cut into the moulding the metal insert makes it difficult to cut. The BFS-1421 and BFS-1422 are designed to hold the blade below the moulding and prevent the blade from cutting into the encapsulation. An attached nylon spacer lets the blade move easily back and forth while holding the blade under the moulding or encapsulation.

QBD-566

Equalizer® Express® Blade QBD

The special design enables you to cut-out quarter glasses with sharp corners with your Equalizer Express tool. The QBP blade is approx. 35 mm wide, 300 mm long and is designed for the passenger side (right quarter glasses).

QBP-565

Equalizer® Express® Blade QBP

The special design enables you to cut-out quarter glasses with sharp corners with your Equalizer Express tool. The QLD blade is approx. 50 mm wide, 300 mm long and is designed for the driver side (left quarter glasses).

QLD-568

Equalizer® Express® Blade QLD

The special design enables you to cut-out quarter glasses with sharp corners with your Equalizer Express tool. The QLD blade is approx. 50 mm wide, 300 mm long and is designed for the driver side (left quarter glasses).

QLP-567

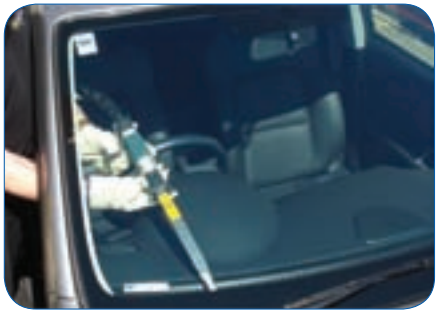
Equalizer® Express® Blade QLP

The special design enables you to cut-out quarter glasses with sharp corners with your Equalizer Express tool. The QLP blade is approx. 50 mm wide, 300 mm long and is designed for the passenger side (right quarter glasses).

...not just another windshield tool

powerful light & versatile

- Cuts hard, wide and high modulus polyurethane
- Adjustable Cutting Depth Control for Every Blade
- Minimal Hand/Arm Vibration



Long Blades

easily reach below any dashboard or hard to reach areas

Short Blades

for good tool control in easy accessible areas

From Outside

operates as a powe-red pull knife that allows cutting from outside for extremely fast removal without physical force

From Inside

the flexible and versatile blades follow curved glass as found for example on hatch glasses, safely remove encapsulated glasses

Small & Versatile

small tool and diffe-rent blades allow you to work in tight spaces such as small quarter glasses

also for busses and trains

thanks to the variety of blades the BTB tool can be used for the removal of all kind of glasses, panels and mouldings

WKSTR

BTB Starter Kit (4 Blades)

Besides the air tool this kit contains a basic assortment of accessories for cutting out bonded glasses on modern vehicles.

Kit contains:
- Heavy Duty Air Tool WK10HD, net weight approx. 1.6 kg
- Blades: WK2, WK4Z-S, WK27S, WK28M
- Adjustable Cutting Depth Control Arms: WK11BW5, WK11FW
- Accessories: WK-KEY, WK7, WK8DSM, WK9, WK11VEL, WK-GA
- Training Package:
  Users Manual, WK12CD Introduction CD, WK12TCD
- Training CD
- Vynl Tool Roll

WKCLS-BX

BTB Classic Kit (7 Blades)

This kit contains, besides the air tool an assortment of accessories that enables you to cut out most bonded glasses on modern vehicles with ease.

Kit contains:
- Heavy Duty Air Tool WK10HD, net weight approx. 1.6 kg
- Blades: WK2-S, WK3, WK24Z-S, WK24ZR-S, WK27S, WK28M, WK6-M
- Adjustable Cutting Depth Control Arms: WK11AW, WK11BW5, WK11CW, WK11FW
- Accessories: WK-KEY, WK7, WK8, WK9, WK11VEL, WK20, WK-GA
- Training Package:
  Users Manual, WK12CD Introduction CD, WK12TCD
- Training CD
- Sturdy Plastic Case

WKTEC-BX BTB Technician Kit (11 Blades)

This kit contains besides the air tool a comprehensive assortment of accessories for fast and simple cutting out of practically all bonded glasses on modern vehicles.

Kit contains:
- Heavy Duty Air Tool WK10HD, net weight approx. 1.6 kg
- Blades: WK1-S, WK2-S, WK4-S, WK4Z-S, WK4R-S, WK6-M, WK24Z, WK24ZR-S, WK24R-S, WK27S, WK28M
- Adjustable Cutting Depth Control Arms: WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW
- Accessories: WK-KEY, WK7, WK7L, WK8, WK9, WK11VEL, WK20,WK-GA
- Training Package:
  Users Manual, WK12CD Introduction CD, WK12TCD
- Training CD
- Sturdy Plastic Case

WKTDM-BX BTB Tradesman Kit (13 Blades)

NEW

This kit contains, besides the air tool an assortment of accessories that enables you to cut out most bonded glasses on modern vehicles with ease.

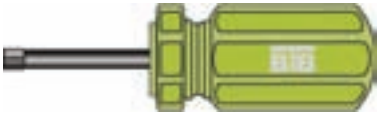
Kit contains:
- Heavy Duty Air Tool WK10HD, net weight approx. 1.6 kg
- Blades: WK1-S, WK3, WK4R-S, WK4Z, WK5-S, WK6-M, WK24Z-S, WK24ZR-S, WK24, WK27S, WK28M, WK27RM, WK28RS
- Adjustable Cutting Depth Control Arms: WK11AW, WK11BW5, WK11CW, WK11DW5, WK11EW, WK11FW
- Accessories: WK-KEY, WK7, WK7L, WK8, WK9, WK11VEL, WK20,WK-GA
- Training Package:
  Users Manual, WK12CD Introduction CD, WK12TCD
- Training CD
- Sturdy Plastic Case

WK10HD — BTB Heavy Duty Air Power Tool

- Tool Only (without blades and accessories)
- Exclusive short and fast In-line stroke absorbs reciprocal cutting action of blades
- Change blades in less than 10 seconds
- Small, powerful and light weight
- Cutting Depth Control System and nylon control head avoids scratching glass or painted panels
- Low noise and vibration levels (HAV)
- Fully adjustable speed, stroke and power
- Motor speed without load max. 6,500 U/min
- Air consumption only 140 l/min”

WK7 — Manual Blade handle for BTB blades

WK7L — Manual Blade double handle for BTB blades



WK-KEY — BTB Universal Key

- **WK1** — BTB long flat blade, 300 mm long

- **WK1-S** — BTB serrated long flat blade, 300 mm long

- **WK1-X** — BTB extra long flat blade, 370 mm long

- **WK1-ZX** — BTB Klinge, extra long flat blade, cranked, 370 mm long

- **WK2** — BTB long flat blade, 240 mm long

- **WK2-S** — BTB serrated long flat blade, 240 mm long

- **WK24-S** — BTB serrated blade for curved glass, 240 mm long

- **WK3** — BTB General purpose bent blade, 200 mm long

- **WK4** — BTB blade for curved glass, 190 mm long

- **WK4-S** — BTB serrated blade for curved glass, 190 mm long

- **WK4Z** — BTB cranked blade for curved glass, 140 mm long

- **WK4Z-S** — BTB serrated and cranked blade, 140 mm long

- **WK24Z** — BTB cranked blade for curved glass, 150 mm long

- **WK24Z-S** — BTB serrated and cranked blade for curved glass, 150 mm long

- **WK24ZV-S** — BTB serrated and cranked ‘V’-blade, 150 mm long

WK4R-S — **BTB Serrated, long, flexibel reverse blade for curved glass, 190 mm long**

WK24R-S — **BTB Serrated reverse general purpose blade for curved glass, 240 mm long**

WK24ZR-S — **BTB reverse offset blade for curved & encapsulated glass, 150 mm long**

WK6-20 — **BTB pinchweld scraper blade, 20 mm wide**

WK6-40 — **BTB pinchweld scraper blade, 40 mm wide**

WK6-L — **BTB special winged pinchweld scraper blade 25 mm wide**

WK6-M — **BTB special winged pinchweld scraper blade 19 mm wide**

WK6-S — **BTB special winged pinchweld scraper blade 15 mm wide**

WK27S — BTB left hand power cold knife blade tip length 19 mm long

WK27M — BTB left hand power cold knife blade tip length 25 mm long

WK28L — BTB right hand power cold knife blade tip length 30 mm long

WK28M — BTB right hand power cold knife blade tip length 25 mm long

WK28XL — BTB right hand power cold knife blade tip length 45 mm long

WK28RL — BTB right hand power cold knife blade tip length 30 mm long, reverse blade

WK28RM — BTB right hand power cold knife blade tip length 25 mm long, reverse blade

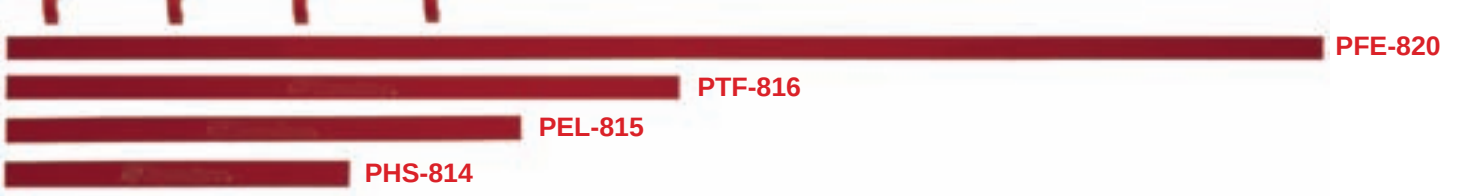
PHV-859

Equalizer® Ricochet,
Pinchweld Protection System

To prevent damages to the pinchweld on probably the most important problem for automobile glaziers. Finally Equalizer came up with a system to protect the pinchweld against repeated hits by a power tool blade.

The kit includes four different lengths (300 mm, 450 mm, 600mm and 1200 mm) of a high impact plastic that will absorb repeated striking form the blade and four hold down tools to keep the protective stripes in place. All parts can also be bought single.

PHO-813



PFE-820

PTF-816

PEL-815

PHS-814

SFE-329

Equalizer® Blade Sharpener

A power tool is only as good as its blade! This blade sharpener, originally designed for Equalizer® Express® Blades, is also perfect for sharpening all nonserrated Equalizer® and BTB® blades quickly and easily and is a must for every tool box.

SDS-250

ProGlass Cutting Lubricant, bottle at 250 ml

No matter which power tool you are using: Each blade cuts easier if you spray the polyurethane bead with a cutting lubricant. The following is essential to understand: The wider your blade the more important the lubrication to reduce the friction between blade and polyurethane bead. Our cutting lubricant is delivered as a concentrate and should be mixed with water at an 1:10 ratio (suitable spray bottles in Chapter 14: Cleaning, Maintaining, Coating).

4 SCRAPER & MISCELLANEOUS TOOLS

FSK-300

ProGlass Pinchweld Scraper Kit in plastic case

Kit contains:
- 1 Pinchweld Scraper, long (as item no. FSC-300)
- 10 blades 12 mm wide (item no. SC-313)
- 10 blades 16 mm wide (item no. SC-316)
- 10 blades 20 mm wide (item no. SC-320)
- 1 foam lined plastic case (240 x 215 x 45 mm)

FSK-150

ProGlass Pinchweld Scraper Kit in plastic case, with short scraper

same like FSK-300, but instead of FSC-300 it comes with a short scraper (as item no. FSC-150).

The blades of this pinchweld scraper are sharp like razor blades and make trimming a polyurethane bead a mere child's play! The practical clamp mechanism enables a very quick blade change without using any tools.

FSC-300

ProGlass Pinchweld Scraper with quick change system, length:190mm, with 5 blades 16 mm wide

The blades are sharp like razor blades. Available in three different widths. The practical clamp mechanism enables a very quick blade exchange without using any tool.

FSC-150

ProGlass Pinchweld scraper, short, length: 150mm, with 5 blades 16 mm

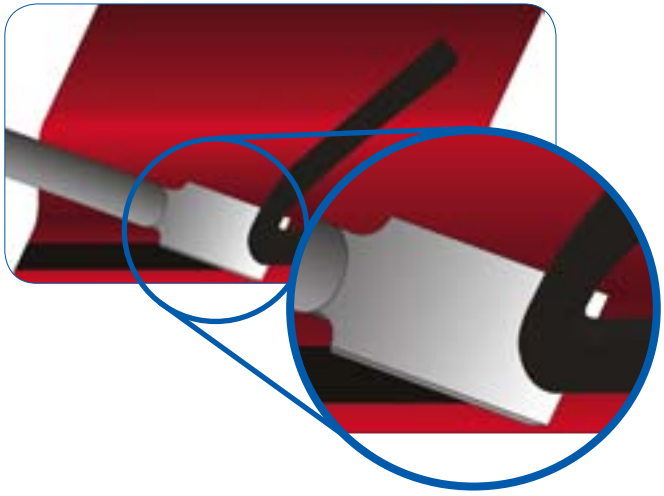
The blades of the Pinchweld Scraper are sharp like razor blades. Available in 3 widths. The practical clamp mechanism enables a very quick blade exchange without using any tool.

SC-313 **Replacement blades, 12 mm for FSC-300, package of 10 pieces**

SC-316 **Replacement blades, 16 mm for FSC-300, package of 10 pieces**

SC-320 **Replacement blades, 20 mm for FSC-300, package of 10 pieces**

Our high-grade stainless steel scraper blades are optimized for the use with our tools FSC-150, FSC-300 and the scraper from FSK-115. But they also fit with tools from other manufacturers.



For perfect results the grinded side of the blade faces to the body. By driving the tool in the correct angle you will get a constantly thin layer of remaining material. Damages to the car body can be really avoided.

TIP:
When pulling the loose end of the bead cutting is even easier.

SCE-012 **Parer Blade, 12 mm wide**

SCR-006 **Parer Blade, Ø 6 mm**

SCR-012 **Parer Blade, Ø 12 mm**

NEW

These parer blades are especially good for cleaning the pinchweld from excessively applied polyurethane in curves and corners. Thereby the special shape reduces the risk of damaging the paint compared to standard scraper blades. The blades are suitable for our scraper tools FSC-150 and FSC-300.

FSK-115

Pinchweld Scraper Kit in plastic case

Standard Pinchweld Scraper with clamp mechanism for quick and easy blade exchange.

Kit contains:
- 1 Pinchweld Scraper (length: 115 mm)
- 10 blades 12 mm wide (item no. SC-313)
- 10 blades 16 mm wide (item no. SC-316)
- 10 blades 20 mm wide (item no. SC-320)
- 1 foam lind plastic case (175 x 120 x 34 mm)

GS-380

Glass Scraper with plastic handle, for 40mm wide blades, incl. 1 blade

Wide scraper with long handle for comfortable use. With its 40 mm wide, razor sharp blades this tool is dedicated to remove labels and to clean glasses from residues.

All metal parts are made of stainless steel. Delivered with a protective cover for safe storage when not in use.

GS-120

Glass Scraper with retractable blade, for 40mm wide blades, incl. 1 blade

Wide scraper with retractable blade for safe use and transportation. With its 40 mm wide, razor sharp blades this tool is dedicated to remove labels and to clean glasses from residues.

All metal parts are made of stainless steel or brass-plated.

MS-6

Mini Scrapers, package of 6 pieces (sorted colours) for 40mm wide blades, each with 1 blade

The mini scrapers are simply practical and can be used for a million different things!

When not in use, the blade can be flipped so that the metal backed part faces outside. Like that the scraper can be carried in the pocket and is always on hand.

RK-100A

Scraper blades 40mm wide
package of 100 pieces

Top quality industrial blades with a solid metal back. Each blade has a single paper wrapping in the box/bag to prevent you from injuries.

FSK-003

Pinchweld Scraper Set in 3 parts

Set with three different pinchweld scrapers. Fixed blades made of polished spring steel.

- 1 blade approx. 100 mm long, 16 mm wide
- 1 blade approx. 50 mm long, 20 mm wide
- 1 blade approx. 50 mm long, 13 mm wide

SKS-003

Scraper Set in 3 parts

Set with three different scrapers. Fixed blades made of polished spring steel. Metal cap at the rear end of the handle.

- 1 blade approx. 100 mm long, 50 mm wide
- 1 blade approx. 100 mm long, 32 mm wide
- 1 blade approx. 100 mm long, 32 mm wide, bent

KSC-019

plastic scraper, 19 mm wide

KSC-025

plastic scraper, 25 mm wide

Strudy fiber-reinforced scrapers for the removal of bonded rails and badges.

FSL-213 **ProGlass Pinchweld scraper, neoprene covered handle, 13 mm wide, with exchangeable blade**

FSL-216 **ProGlass Pinchweld scraper, neoprene covered handle, 16 mm wide, with exchangeable blade**

FSL-219 **ProGlass Pinchweld scraper, neoprene covered handle, 19 mm wide, with exchangeable blade**

Standard pinchweld scraper with neoprene cover (length: 250 mm). The spring steel blade can be re-sharpened and, if necessary, be replaced.

FSS-213 **ProGlass Pinchweld scraper 13 mm wide, with exchangeable blade and aluminium handle**

FSS-216 **ProGlass Pinchweld scraper 16 mm wide, with exchangeable blade and aluminium handle**

FSS-219 **ProGlass Pinchweld scraper 19 mm wide, with exchangeable blade and aluminium handle**

Reasonable priced standard pinchweld scraper (length: 240 mm) with an exchangeable spring steel blade.

SK-113 **Scraper blade 13 mm wide, 140 mm long**

SK-116 **Scraper blade 16 mm wide, 140 mm long**

SK-119 **Scraper blade 19 mm wide, 140 mm long**

Spring steel pinchweld scraper blades suitable for all pinchweld scrapers of this page and many standard pull knives.
NOTE: The 13 and 16 mm wide blades do not fit with the quick release pull knives.

USS-190 **Universal Sharpening Stone with handle**

This sharpening stone with plastic handle is ideal for sharpening all pull knife blades, scraper blades, utility blades and power tool blades. With a sharp blade working is much easier!

UCH-319

U-Groove cut out knife, with pull handle and 2 blades

With the round shape of its blades this knife is able to clean excessive polyurethane from the pinchweld where a normal pinchweld scraper will not work. Two different wide blades let you cut narrow or wide grooves.

Comes with two blades (one small and one large).

UCC-320

U-Groove cut out knife, without pull handle with 2 blades

With the round shape of its blades this knife is able to clean excessive polyurethane from the pinchweld where a normal pinchweld scraper will not work. Two different wide blades let you cut narrow or wide grooves.
Comes with two blades (one small and one large).

UCS-321

Small groove blade for cut out knife UCH-319 and UCC-320

width of cut: approx. 7 mm

UCL-322

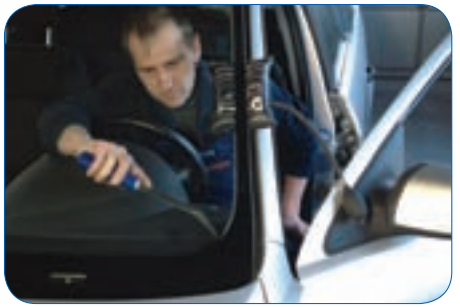
Wide groove blade for cut out knife UCH-319 and UCC-320

width of cut: approx. 9 mm

BK-315

Banana knife with serrated blade
total length 320mm

The blade is serrated on the inside and sharpened on the outside. With its bent shape it is ideal to cut a polyurethane bonding where pull knives or cut-out tools will not work (e. g. the lower edges of a windscreen that are often covered by the wings). Thanks to its long narrow blade it has an extremely good reach and outmatches a standard long knife.



BK-230

Replacement Blade for BK-315

LM-460

ProGlass Long Knife 460 mm
with 2 trapezoid blades

LM-610

ProGlass Long Knife 610 mm
with 2 trapezoid blades

Rugged long knife made of aluminium with a non-skid neoprene covered handle. Integrated spare blade compartment.

UW-4018

UltraWiz Long Knife
460mm long (delivered without blade!)

Very rugged long knife made of hardened steel with handle in typical UltraWiz design. With additional cover (black).

UML-332

Utility Knife SMART-EDGE
with 5 trapezoid blades

Ergonomically shaped knife, also for big hands, with non-skid rubber platings. The blade completely retractable. The blade length can be regulated with the slide in multiple steps. With retracted blade, the knife can be also used to cut cords and tension strings. It has an eject button to exchange the blade rapidly and without using a screwdriver. Replacement blades can be stored in the integrated blade compartment.

UMS-437

Utility Knife AMERICAN-LINE
with 1 trapezoid blade

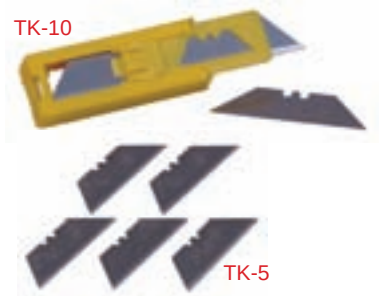
This light-weight and handy utility knife with black painted aluminium handle has a fully retractable blade, a multi-step blade length adjustment and offers a spare blade compartment inside the handle. The solid blade holder inside is also made of metal so it will not wear out too fast under heavy use.

UMF-344

Utility Knife with fixed blade
with 3 trapezoid blades

The rugged knife with silver painted, chequered aluminium handle is the right companion for all heavy duty jobs. Because the blade is fixed between the two handle parts it will not slip out - even under heavy use. To replace the blade just swivel the red bayonet socket and open the handle. Replacement blades can be stored inside the handle.

TKS-100 — **Trapezoid Blades, dispenser at 100 pieces with storage for used blades**



TK-10 — **Trapezoid Blades, dispenser at 10 pieces**

TK-5 — **Trapezoid Blades, package of 5 pieces**

XUB-05 — **Trapezoid Blades, extra long, package of 10 pieces**

The cutting length of these blades is 120 mm while standard trapezoid blades are only 60 mm long. This blade increases the range by 60 mm!

NOTE: When using a retractable blade knife these extra long blades will not be retracted completely.

HK-5 — **Hooked Blades, package of 5 pieces**

Hook blades are perfect for cutting off rubber seals from installed glasses without damaging the car body because only the non-cutting part on the outside is facing to the body.

XL-2 — **Olfa® Long Knife for 18 mm blades with one snap-off blade**

L-2 — **Olfa® Knife for 18 mm blades with one snap-off blade**

LB-10 — **Olfa® Snap-Off Blades 18 mm, package of 10 pieces**

LSOL-10 — **Olfa® Solid Blades 18 mm, not segmented, package of 10 pieces**

SVR-2

Olfa® Silver Knife for 9 mm blades, with 3 snap-off blades

Knife and blades are made of stainless steel - therefore this is the ideal tool for the installation of window films.

OL-30

Olfa® Knife for 9 mm blades, with one snap-off blade

A small and handy knife with 9 mm wide snap-off blades for all fine jobs.

AB-10

Olfa® Snap-Off Blades 9 mm, package of 10 pieces

AB-10S

Olfa Snap-Off stainless steel Blades 9 mm, package of 10 pieces

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H-1

Olfa® Extra Heavy Duty Cutter, with one snap-off blade

HB-5

Olfa® Snap-Off Blades 25 mm, package of 5 pieces

5 DISMANTLING & INSTALLATION TOOLS

CEG-148

Clip Remover, wide

Simple Clip Remover for door coverings. For easy removal of door coverings without damaging the plastic clips.

CE-657

Clip removal tool, small

A clip remover with a particular narrow and fine tip. With the pointedly approaching v-notch, it is especially suitable for very small clips at newer vehicle models.

CTD-607

Equalizer® Clip-Remover, curved

This clip remover is ideal for the removal of cowling clips in recessed holes and areas.

CES-125

Clip-Remover Kit, at 2 pieces

The two clip removal tools in this kit have a fine tip and are very strong at the same time. They help you to remove all those small clips that were almost impossible to reuse because you were never able to remove them without damage.

CZ-540

Clip Removal Pliers
to dismantle clips and linings

Clip pliers for professional removal of plastic clips, no scratches or dents at the oachwork. Dismantling without damage of door linings.

CS-696

TrimClip Pliers
to dismantle clips and linings

Pliers with an extraordinary flat beak with 3 different recesses. Each type and size of clips can easily and safely be grabbed.

CDZ-195

Clip Pliers

Thanks to the specially designed jaws these pliers can also remove very flush installed clips and two-part clips.

BMR-1488

Belt Moulding Remover

When removing a belt moulding it is important that you can save it. This tool slides down into the door opening and pulls out the moulding easily without any damage.

MHD-110

Double Mini Hook
set of 2 pieces

These mini hooks have a long reach and can help you to adjust rubber mouldings where all other hook tools are simply too big. They are also great little helpers to pick up small pieces.

MHS-068

Hook and Pick Set
in 4 parts

These mini hooks are only about 100 mm long and very helpful where ‘normal’ hook tools do not work.

MHK-069

Ball-tipped Mini Hook Set, in 4 parts
Ball diameter: 3,0 mm

These ball-tipped mini hooks are very helpful where ‘normal’ ball-tipped hooks do not work.

DHS-360

Dismantling Lever Set,
plastic, in 5 parts

Dismantling of clips, trims and linings with metal tools, often causes damages like scratches. Therefore this five parts tool is completely made of sturdy and loadable plastics. It is a must for each car glass workplace.

CES-250

Clip-Remover Kit, 5 pieces

These five tools made of polished steel cover the whole range of door and lining clips. With this kit you can remove almost all clips fast, easily and without damage.

CE-590

Clip Removal Tool

Very flat clip removal tool for all kind of clips with a reach of 10 cm even for clips far underneath the door lining. The other side has a reach of 5 cm and offers thereby a larger lever force.

LH-230

Trim Jack
heavy duty model

Heavy duty trim jack for removing tight metal trims and all other hardly to remove mouldings.

RFM-683

Trim Jack
moulding remover (205 mm long)

Mainly used to remove re-usable trims. The wide and flat form as well as the curvature enables to lift the trim without damaging. In addition it is perfect to lever simple rubber or plastic mouldings or trims with a metal core.

DLH-511 **Moulding Release Tool with two hook ends**

Moulding release tool with two hook ends. Rubber spacers at the bottom avoid scratches on glass or varnishing.

BND-2882 **Clip removal pliers with twistable head**

Some rivets are put into places that are almost inaccessible. This tool has a 360° twistable head that works in all directions. By that the nose can reach almost everywhere. Comes with four different nose pieces and a wrench to change them.

BNZ-2685 **Clip removal pliers, Standard**

Standard riveting tool with an extended nose length. Thanks to the long nose this tool lets you install rivets in vehicle doors with ease. Comes with four different nose pieces and a wrench to change them.

BN-308 **Blind Rivets, 3,0 x 8 mm, package at 50 pieces**

BN-326 **Blind Rivets, 3,2 x 6 mm, package at 50 pieces**

BN-408 **Blind Rivets, 4,0 x 8 mm, package at 50 pieces**

WAB-150

Wiper Arm Puller BMW
shank width: 23 mm, working height: 37 mm

Heavy wiper arm puller for BMW from series E32/E34. This tool is designed very similar to the original BMW tool and has exactly the same function.

DWR-120

Wiper Arm Puller, Heavy Duty
shank width: 16 mm, working height: 38 mm

Extremely loadable wiper arm puller. For use on almost all passenger cars and many commercial vehicles. Especially recommended for the BMW E34 (5) and E32 (7) series, that have wipers with adjustable inclination.

TE-125

TORX Socket T80 for 1/2” drive

This TORX Socket T80 is needed for dismantling the wiper cover of the BMW E32 and E34 series.

HWA-2636

Wiper Arm Puller “EasyLift II”
shank width: 26 mm, working height: 38 mm

Improved model based on the known EasyLift EWA-1702. The EasyLift II has an enlarged diameter and so it also fits for Audi models from 2001. The wiper arm puller is redesigned for more heavy use. And last but not least it has a brass cap to protect the wiper arm thread against damage.

EWA-1702

Wiper arm puller Easy Lift
shank width: 18 mm, working height: 32 mm

This wiper arm puller is trouble-free applicable under casted air deflectors. It can also be used for nearly all other types of wipers. The new version of specially hardened and browned steel, is even more sturdy then the previous lacquered model.

ZAW-090

Wiper Arm Puller, universal
shank width: 38 mm, working height: 28 mm

A sturdy tool for use on almost all passenger cars and many commercial vehicles, because of a large-scale adjustment to pull of the wipers.

WAV-899

Wiper puller Volkswagen Group
schank width: 63 mm, working height: 63 mm

Now Volkswagen has also introduced a special wiper arm puller. With its stepless adjustable arms this wiper arm puller is not only useable for all cars of the Volkswagen group (VW, Audi, Seat, Skoda) but also for many other cars.

SWA-2316

Standard Wiper Arm Puller
shank width: 16 mm, working height: 26mm

A universal wiper arm puller with clamping screw for easy handling (without extra tool). Suitable for many vehicles.

WAZ-919 **Wiper Arm Pliers**

Multi-purpose pliers to remove most standard wiper arms. Not suitable for heavy load.

UAZ-1950 **Wiper Arm Puller, heavy-duty**
shanke width: 18 mm, working height: 48 mm

Real heavy universal puller for various jobs - also fits for many wiper arms.

RMP-416 **Installation Pliers**
for Rearview Mirrors with bayonet clamp

With these pliers you can easily remove and install all rearview mirrors with bayonet clamp (e. g. most actual VW and Audi models). No risk of damaging the windscreen or the mirror.

RMP-416-1 **Plastic Jaws (1 Pair) for RMP-416**

MSP-2030 **Nut Splitter Set**

If a nut is so damaged that you can not open it you should have a nut splitter available. The smaller one has an eye diameter of 20 mm, the bigger one of 30 mm.
Total length is 117 resp. 150 mm.

CE-749 **Special Tool for C-Clips**

For the removal of ‘C’-shaped clips on window handles (e. g. Opel).

CTM-310 **Moulding installer**

To install a flush-mounted moulding by using your thumbs often produces an uneven and rippled appearance. With this tool you can simply roll the moulding in place and you will get a smooth and untouched appearance.

GH-701 **Rubber Hammer Ø 50 mm**
weight: 380 gr

Almost indispensable tool to install mouldings and linings.

WSG-206

Angle Screwdriver with handle
storage for screwdriver bits inside the handle

Screwdriver bits fix magnetically. Fits for all 1/4 inch bits.

WSS-106

Angle Screwdriver Without Handle
for use with the cordless driver

Screwdriver bits fix magnetically. Fits for all 1/4 inch bits.

RSS-0819

Ratchet Wrench Set of 7 pieces

NEW

The professional ratchet mechanism has a gear with 72 teeth (5° returning angle) and allows you to work on narrow places.

With their small ring end side these wrenches are the perfect alternative to classical ratchets and nuts.

The wrenches conform to ANSI standard. However, opening very hard fixed screws with the gear-side could break the gear mechanism.

The set includes the wrench sizes 8, 10, 12, 13, 14, 17 and 19 mm.

Delivered on a wall-mountable plastic support.

SDM-421 **Mini Screwdriver Set**

Who doesn't know that! You can see the screw but no screwdriver can reach into the narrow space above the screw head. That's a job for the only 3.4 cm long mini screwdrivers!

Kit contais the following baldes:
PH0, PH1, 5 mm, 6 mm

MB-743 **Rearview Mirror Screwdriver TORX T15 and T20**

MB-744 **Rearview Mirror Screwdriver hex driver 2,0 and 2,5 mm**

MBR-600 **Rearview Mirror Screwdriver TORX T15 / Phillips PH1**

STS-039

**Socket Set 1/4 drive in 39 parts,
made of robust Chrome-Vanadium steel**

Sturdy plastic box (245 x 130 x 44 mm) including following tools.

Kit contains:
- Ratchet wrench (72 teeth)
- hand grip
- short extension
- large extension with toggle function
- cardan joint
- hexagon sockets (4/4,5/5/5,5/6/7/8/9/10/11/12/13/14)
- PH1, PH2, PZ1,PZ2
- slotted bit 5,5, slotted bit 7
- hexagon l-keys (1,2/1,5/2,0/2,5/3,0)
- allen insert (4/5/6)
- Torx (T8/T10/T15/T20/T25/T27/T30).

MS-180

**Installation Stick Round/Flat
of ivory colored plastic, 200mm long**

The round end of the plastic installation stick is appropriate for working on rubber mouldings or render a fresh PU bead, the flat scraper end is good to use for cleaning and removing excessive polyurethane. A tool with almost unlimited applications.

MS-181

**Installation Stick Round/Round
of ivory colored plastic, 200mm long**

Plastic installation stick with two rounded ends for working on rubber mouldings or render a fresh PU bead. A tool with almost unlimited applications.

HLK-012

Lift-Support-Clamp

This clamp enables you to fix old pneumatic springs of bonnets or hatches.Open the bonnet up to the desired angle, attach the clamp - fix it - ready.

LB-300

Power-Lifter
inflatable bag 15 x 20 cm

The PowerLifter facilitates detaching bonded glasses, regardless of the method used. You place the bag at an already detached point between the glass and the car body and inflate it. Lifting the glass, stretches the remaining PU bead, which can now be much easier detached. The bag is made of fibre-reinforced fabric, which is extremely tough and loadable. Only at about 150 kg the pressure-relief valve opens.

LB-400

Power-Lifter
inflatable bag 15 x 40 cm

The extended PowerLifter can be used flat or folded. By that it can lift the glass from the top edge much more. The big PowerLifter can be used even more universally than its small brother LB-300. The bag is made of fibre-reinforced fabric, which is extremely tough and loadable. Only at about 150 kg the pressure-relief valve opens.

Products in Use

THH-540 **Telescopic Bonnet Holder made of aluminum, in 3 parts**

THH-540-G **Set of Replacement Rubber Caps for THH-540**

Keeps the bonnet or hatch open at any desired angle. Telescopic bonnet holder stepless adjustable from 54 to 120 cm.

SSH-290 **Window Holder Set cable length: 45cm**

Holds the side window while you are working on the window lifter so that you have both hands free. This window holder set also keeps a windscreen from sliding down while the polyurethane hardens (fix one end on the glass, the other end on top of the car).

Improved version: More stability, due to the cast-in thread!

FDS-700 **ProGlass 2-Cup Suction Lifter, cable length: 42cm**

The flexible double suction lifter is the best to secure a freshly bonded windscreen. These suction cups stay exactly in position and will not let the glass move a single millimeter! Made of two plastic suction heads with 80 mm rubber disks, connected with a foam covered steel cable.

Products in Use

FIL-080-P **Moulding Clamp, blue, package of 6 pieces**

FIL-080 **Moulding Clamp, blue, single**

NEW

- Versatile capabilities:
- retains freshly bonded mouldings, badges or mirror plates
- press on freshly bonded vehicle glazings (e. g. if the upper corners do not align properly)
- prevents freshly bonded vehicle glazings from sagging (fix the sucker to the window to hold up against the roof)

FIX-080-P **Moulding Clamp, package of 6 pieces**

FIX-080 **Moulding Clamp, single**

This version has a long slotted hole instead of the three single fixing holes. So it can be easier positioned. The PVCsucker with a diameter of 80 mm holds on glass as well as on metal.

- Versatile capabilities:
- retains freshly bonded mouldings, badges or mirror plates
- press on freshly bonded vehicle glazings (e. g. if the upper corners do not align properly)
- prevents freshly bonded vehicle glazings from sagging (fix the sucker to the window to hold up against the roof)

6 TOOLS FOR RUBBER MOULDED GLASS

SLP-101

Rope Insert Tool for passenger vehicles
rope: 6m long, tube: Ø 6mm

An indispensible tool for the replacement of glasses that are installed with a rubber gasket.

SLP-101-01 **Replacement Rope 6 m for SLP-101**

SLN-102

Rope Insert Tool for commercial vehicles
rope: 9m long, tube: Ø 8mm

An indispensible tool for the replacement of glasses that are installed with a rubber gasket.

SLN-102-01 **Replacement Rope 9 m for SLN-102**

LT-750

Locking Strip Tool with 2 double end tips

General purpose tool with two double end tips = four different sized eyelets. No additional tool required for turning and exchanging the tips.

LT-750-1

Eyelet Set (2 pieces) for LT-750

inner-dimensions of the eyelets:
7,5 (14,5) mm / 13,5 mm / 11,0 mm / 16,0 mm

LT-415

Locking Strip Tool with 6 different eyelets and pressure roller

With this locking strip tool you can install practically all different types of locking strips.

LT-415-1

Eyelet Set (5 pieces) for LT-415

inner-dimensions of the eyelets:
9,5 mm / 10,5 mm / 11,5 mm / 12,5 mm / 13,5 mm
material thickness: 2,0 mm

MS-180

Installation Stick Round/Flat
of ivory colored plastic, 200mm long

The round end of the plastic installation stick is appropriate for working on rubber mouldings or render a fresh PU bead, the flat scraper end is good to use for cleaning and removing excessive polyurethane. A tool with almost unlimited applications.

MS-181

Installation Stick Round/Round
of ivory colored plastic, 200mm long

Plastic installation stick with two rounded ends for working on rubber mouldings or render a fresh PU bead. A tool with almost unlimited applications.

GH-701

Rubber Hammer Ø 50 mm
weight: 380 gr

Almost indispensable tool to install mouldings and linings.

GH-753

Pointed Hook,
special shape

total length: 190mm

GHS-140 **Pointed Hook, with short shaft**

total length: 200 mm

GHS-280 **Pointed Hook, with long shaft**

total length: 280 mm

GHK-140 **Ball-Tipped Hook, with short shaft**

Ball: Ø 4,5 mm
total length: 200 mm

GHK-280 **Ball-Tipped Hook, with long shaft**

Ball: Ø 5,0 mm
total length: 280 mm

GH-738 **Pointed Hook, special shape**

total length: 210 mm

GH-749 **Pointed Hook, special shape**

total length: 210 mm

AHL-818 **Equalizer® Pointed Hook with long shaft**

total length: 320 mm

AHT-817 **Equalizer® Pointed Hook with short shaft**

total length: 220 mm

7 AUXILLIARY HAND TOOLS & WORK SAFETY

FTL-430 **LED-Torch with flexible shaft**

FTL-430-1 **Replacement Bulb for FTL-430**

(needs three batteries 1.5V, Lady)

FTL-430-1

FTL-402 **Mini-Torch with flexible shaft**

FTL-402-1 **Replacement Bulb for FTL-402**

The torch comes with a small removable magnet tip. This makes it easy to find and pick up lost screws in a vehicle (needs two batteries 1.5V, Lady).

FTL-420-1

PF-216 **Pen-Light, ball-pen-shaped mini torch**

PF-216 **Replacement Bulb for PF 216**

For operation two batteries type LADY are needed.

PF-216-1

BA-LADY **Alkaline Battery 1.5V, type LADY**

BA-MICRO **Alkaline Battery 1.5V, type AAA**

BA-MIGNON **Alkaline Battery 1.5V, type AA**

PL-140

LED Penlight

LED torch, ball-pen design, made of aluminium and plastic. For operation 2 batteries size AAA are needed (delivery without batteries).

TL-130

LED Torch

Robust and handy pocket lamp made of anodized light metal. The bright LED light is evenly dispersed by a lens. A distance of 10 cm results in an evenly bright spot with a diameter of approx. 4.5 cm (angle of radiation ca. 12°). With clip for safe transportation in your pocket. Colour: anthracite. For operation two batteries size AAA are needed (delivery without batteries).

LC-014-S

Torch Clip with Sucker

Plastic clip to hold the TL-130 and other small torches with a diameter of 15-16 mm. Insert the torch in the flexible holder and fix it easily to all smooth surfaces. Alternatively you can clip the torch almost anywhere.

LC-014-M

Torch Clip with Magnet

Plastic clip to hold the TL-130 and other small torches with a diameter of 15-16 mm. Insert the torch in the flexible holder and fix it easily to all magnetic surfaces. Alternatively you can clip the torch almost anywhere. The magnet is removable.

ULF-481

NEW

Ultrasonic Leak Detector

The ultrasonic leak detector makes it easy to find leak points quickly and reliably, e. g. on bonded glasses. The set includes an ultrasonic transmitter, a receiver and headphones. For operation two 9 V batteries are needed (comes without batteries).

TIP:
With the ultrasonic leak detector you are on the safe side. We suggest to test each newly installed glass for leak tightness immediately. This avoids later complaints, you get more sureness and you gain reputation with your customers.

TSP-2550

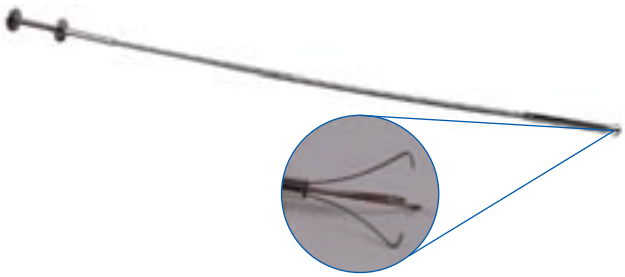
Telescopic Mirror 25 x 50 mm

Small telescopic mirror with a clip to carry it in your shirt pocket, extendable from 11 - 44 cm.

TSP-5050

Telescopic Mirrior Ø 50 mm

Big telescopic mirror, extendable from 18 - 32 cm.



FGR-440

Flexible Grabber

Flexible Grabber with four claws for picking up small parts from difficult to reach areas.

Length 60 cm, max. opening of claws ca. 20 mm.

MH-120

Telescopic Magnet
extenable from 12 to 60 cm

A real multi-purpose tool. The extremly strong magnet is capable to lift and hold weights up to 1.5 kg!

MSK-356

Magnet Bowl for small parts Ø 150 mm

The bowl can be placed almost everywhere on a vehicle because the bottom has a rubber cover to avoid scratches. The strong magnet surely holds the bowl itself and all magnetic contents.

GHK-560

Ball-Tipped Hook with extra long shaft

This extremely long tool is great for cleaning glass run channels in vehicle doors. By moving the round tip up and down in the run channel it will push out any loose parts without damaging the rubber.

Total length: 540mm, ball: Ø 6,0mm

LTK-170

Lockout Tool Set, consisting of 16 tools, professional tool kit to open car doors

It can easily happen that you lock yourself out, while working on a clients car. The lock-out tool kit enables you to cope with the situation. You open the car door without damaging painting, moulding or lining.

Tool kit in 17 parts with an illustrated manual, in a black folding bag made of sturdy synthetic leather (see small fig.).

KSK-4510

Plastic wedges, Set of 2 pieces

The plastic wedges are made of a impact resisting material.

Length 10 cm, Width 4.5 cm, Height 2.3 cm.

TSP-292

Equalizer® TightSpot Paint Protector Package at 2 pieces

Sometime you have to park cars so close together that the open door could damage the next vehicle. When this happens you need a Set of Tightspots. They are mad of dense foam rubber block and a vaccum cup that hold the block in the right position.

GBZ-200

Glass Breaking Pliers 200 mm long
Jaw width approx. 25 mm

GBZ-225

Glass Breaking Pliers 225 mm long
Jaw width approx. 25 mm

GC-130

Glass Cutter, full metal version
130 mm long

- straight edge stand-off distance 1.8 mm
- cutting angle 120°

GCM-130

Glass Cutter with turnable head
130 mm long

- straight edge stand-off distance 2.5 mm
- cutting angle 135 °
- wooden handle

GCK-119

Glass Cutter with rounded handle
119 mm long

- straight edge stand-off distance 2.0 mm
- cutting angle 135 °

GCO-170S

Oil Glass Cutter with narrow head
170 mm long

- heavy metal cutter
- narrow cutting head
- straight edge stand-off distance 2.5 mm
- cutting angle 135 °
- handle made of aluminium with oil tank

GCO-170L

Oil Glass Cutter with wide head
170 mm long

- heavy metal cutter
- wide cutting head
- straight edge stand-off distance 2.5 mm
- cutting angle 135 °
- handle made of aluminium with oil tank

OGC-118

Oil for glass cutters
bottle at 118 ml

- **DSP-120** — **Diamond Sanding Pad, black Grit 120**
- **DSP-200** — **Diamond Sanding Pad, red Grit 200**
- **DSP-400** — **Diamond Sanding Pad, purple Grit 400**
- **DSP-800** — **Diamond Sanding Pad, white Grit 800**
- **DSP-1000** — **Diamond Sanding Pad, blue Grit 1000**

NEW

These handy foam blocks are coated with a flexible diamond sanding surface on one side.

The sanding pads are perfect for grinding small damages and irregularities on glass edges. Moreover they will work on all hard material, but also on many soft surfaces. Even rubber and plastic parts can be burred clean and easy.

DSS-200

ProGlass Double Seat Cover

One-piece seat cover for covering both front seats, the center console, the footwell and the threshold.

Advantages:
- no glass pieces or dirt on the seats and on scratch-sensitive surfaces
- less dirt means less time for cleaning = time saving
- professional appearance towards the customer.

Properties:
- The fabric (Nylon 70D) is hard-wearing, persistent and water-repellent
- the backside is skidproof thanks to a soft PVC coating
- all materials are colour-fast and light-resistant
- the cover is fully washable
- made in Germany
- available with your individual logo in small quantities.

ESS-075

ProGlass Single Seat Cover

Seat cover for covering one front seat.

Advantages:
- no glass pieces or dirt on the seats and on scratch-sensitive surfaces
- less dirt means less time for cleaning = time saving
- professional appearance towards the customer.

Properties:
- The fabric (Nylon 70D) is hard-wearing, persistent and water-repellent
- the backside is skidproof thanks to a soft PVC coating
- all materials are colour-fast and light-resistant
- the cover is fully washable
- made in Germany
- available with your individual logo in small quantities.

FZS-120

ProGlass Car Cover 120 x 50 mm

Upside is made of nylon fabric. The lower side is a non-skid mat. Fully machine washable.

Ideal as a deposit for tools and small parts and for covering the roof, the bonnet and the dashboard.

FZS-80

ProGlass Car Cover 80 x 45 mm

Upside is made of nylon fabric. The lower side is a non-skid mat. Fully machine washable.

Ideal as a deposit for tools and small parts and for covering the roof, the bonnet and the dashboard.

Customized Car and Seat Covers!

You can customize each of our Car and Seat Covers with your own logo, even in small quantities.

Feel free to contact us to get an individual quote!

NT-500DC

Mains Adaptor 230V (12W, 500mA, 6VA max.)
with switchable outlet voltages: 3 / 4,5 / 6 / 7,5 / 9 / 12V

Plug-in power supply unit with switchable outlet voltage for using small low voltage appliances on the 230 V mains supply.

Included in delivery: Eight different plugs (see photo) to connect with miscellaneous devices, one key for switching the outlet voltage.

PI-150

PI-300

PI-400

PI-150

Power Inverter 12V / 230V (150W / 300W max.)
with plug for power outlet/cigarette lighter

PI-300

Power Inverter 12V / 230V (300W / 600W max.)
with plug for cigarette lighter and crocodile clips

PI-400

Power Inverter 12V / 230V (400W / 1200W max.)
with plug for cigarette lighter and crocodile clips

With this small, handy power inverters electrical or electronical appliances for 230 V connection can be used with 12 V vehicle power systems.

The power inverters have a (permanent) output power 400W, 300W, or 150 W and are provided with an overload protection, a reverse battery protection (fuse) and an automatic switch-off to protect the battery from total discharge.

CHM-108 **Cutting protection gloves, size M, per pair**

CHL-109 **Cutting protection gloves, size L, per pair**

CHX-110 **Cutting protection gloves, size XL, per pair**

NEW

Pleasing to wear, made of finely knitted fabric with woven in glass fibre and grey PU coating at the inside.

Outstanding cutting protection, breathable back side, perfect abrasion resistant, excellent sense of touch
(CE / EN 388 CAT II / cutting protection level 5).

MHM-108 **Gloves, finely knitted fabric, non slip, size M, per pair**

MHL-109 **Gloves, finely knitted fabric, non slip, size L, per pair**

MHX-110 **Gloves, finely knitted fabric, non slip, size XL, per pair**

Gloves pleasing to wear, made of finely knitted fabric - especially permeable to air and with optimum fit.

Safe grip, due to the polyurethane coating at the inside. Excellent sense of touch combined with a high protection against cutting (CE / EN 388 / cat. 2 / 0 2 4 2).

SHM-108 **Knitted Gloves, non slip, size M, per pair**

SHL-109 **Knitted Gloves, non slip, size L, per pair**

SHX-110 **Knitted Gloves, non slip, size XL, per pair**

High-quality cotton/nylon mix knitted gloves that are comfortable to wear and have an optimum fit.

Safe grip, due to non slip dots at the palm. Good sense of touch combined with a high protection against cutting.
(CE / EN 388 / cat. 2 / 0 2 4 2).

LSH-517 **Protective Leather Gloves (1 pair)**

High-quality gloves made of cattle split leather with reinforced sections of full leather for high demands at the inside.

Excellent abrasion and puncture resistance.

Outside and palm made of cotton fabric.
(CE / EN 388 / cat. 2 / 4 1 2 4)

These gloves cannot be compared with cheap products made of inferior material which you can buy in the DIY store next door.

EHN-694

Nitril Disposal Gloves, powder-free
package of 100 pieces

Nitrile has similar carrying properties than Latex or Vinyl. But it is also resistant against chemicals. Everybody who is doing glass repairs or working with solvents should wear these gloves to protect his skin (CE / EN 455 / cat. 2).

BNG-418

Nitril Disposal Glove, powder-free
Size: L, package of 100 pieces

BNL-820

Nitril Disposal Glove, powder-free
Size: XL, package of 100 pieces

These gloves have textured fingertips for better handling of small items, are high chemical and puncture resistant, and contain no MBT or Latex. They have an unsurpassed comfort and have no offensive odor. But what is best: Tape and labels do not stick to or tear these gloves (CE / EN 455/ cat. 2).

SB-886

Safety Glasses

Unbreakable goggles made of transparent polycarbonate (PC). The ear pieces can be adapted individually due to the very pliable material. The goggles are shaped in a style that will fit over the most spectacle frames.

EHL-652

Latex Disposal Gloves, powder-free
package at 100 pieces

Powder-free gloves are particularly suitalbe for touching the glass edges without leaving traces. No impact on adhesion (CE / EN 455 / cat. 2).

EHL-140

Latex Disposal Gloves, powdered
package at 100 pieces

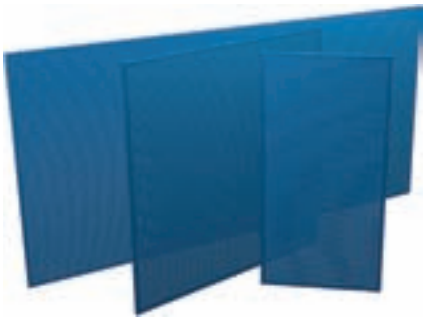
Latex gloves protect your hands against polyurethane, primer and other persistent dirt. At the same time they protect your skin against aggressive cleaning agents (CE 0493 / cat. 2).

EHV-500

Vinyl Disposal Gloves, powdered,
package of 100 pieces

Vinyl is stretchable and tearproof similar to Latex. Therefore it is a perfect solution for persons with Latex allergy (CE / EN 455 / cat. 2).

8 TOOLKITS & STORAGE SYSTEMS



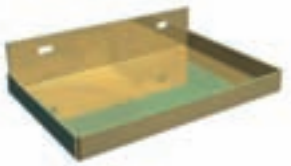
IND-0609 **INDECO perforated toolpanel 480 x 960 mm blue, hole-Ø: 4 mm**

IND-0612 **INDECO perforated toolpanel 980 x 960 mm blue, hole-Ø: 4 mm**

INDECO Tool Board made of 1.5 mm perforated steel sheet. The boards are powder-coated and therefore very sturdy and durable. Due to a fine matrix of holes (12 x 12 mm hole spacing, 4.2 mm hole diameter) the board can be arranged individually.

IND-601796 **INDECO Screw, single**

Each holder requires two screws. Do not forget to order, because most of the common screws are too long.



IND-601099 **Shelf, 250 x 100 x 15 mm**

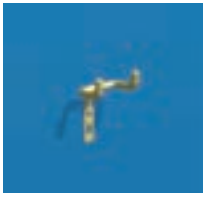
WH-440 **Tool Holder 440 mm, capable to hold 19 tools**

A clear and neat way to store tools. Each tool is always ready to hand.The strip is made of aluminium with clamps of plastic. It has two holes for wall fastening or to fix it onto a perforated tool board (delivered without tools).

IND-601703
Holder, 45 mm long

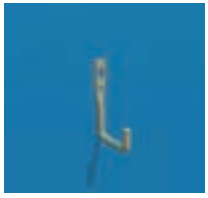
IND-601704
Holder 23 mm long

IND-607703
Holder 45 mm long



IND-601727
Holder, 12 mm wide

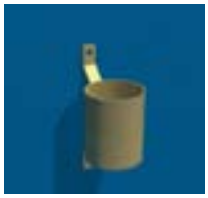
IND-601730
Holder, 18 mm wide



IND-601720
Holder, 20 mm deep

IND-601721
Holder, 32 mm deep

IND-601734
Holder, for 1/2“ box nut



IND-601756
Holder, Ø 21 mm,
height: 50 mm
one side closed

IND-601723
Holder, 20 mm round

IND-601725
Holder, 58 mm round

IND-611071
Tool Holder, 13-15 mm

IND-611074
Tool Holder, 25-27 mm

WSL-34 **Toolkit with panel (34 tools)**

WSK-34 **Toolkit with tool box (34 tools)**

WSL-34

WSK-34

Kit contains:
- 1 ZMX-400 Pull knife with quick change system
- 1 UW-119 UltraWiz pull knife blade 19 mm, package of 5 pieces
- 1 UW-125 UltraWiz pull knife blade 25 mm, package of 5 pieces
- 1 UW-138 UltraWiz pull knife blade 38 mm, package of 5 pieces
- 1 GS-380 Glass scraper
- 1 RK-100A Scraper blades, package of 100 pieces
- 1 LH-230 Trim Jack
- 1 CEG-148 Clip remover, wide
- 1 GHS-140 Pointed hook, with short shaft
- 1 GHK-140 Ball-tipped hook, with short shaft
- 1 FSC-300 ProGlass scraper, with quick change system
- 1 LT-750 Locking strip tool with 2 double end tips
- 1 SLN-102 Rope insert tool for passenger cars, rope 6 m long
- 1 DGH-30 Wire guide
- 1 MH-120 Telescopic magnet
- 1 MHS-068 Hook and pick set, in 4 parts
- 1 MS-180 Installation stick, roand/flat
- 1 DST-733 T-handle wire threader, large
- 1 SPZ-160 Pointed pliers with wire cutter
- 1 SB-886 Safety Glasses
- 1 SD-22 ProGlass sawing wire, braided, spool at 22 m
- 1 VKD-22 ProGlass cutting wire, squared, spool at 22 m
- 1 UMS-437 Utility knife, AMERICAN-LINE
- 1 TKS-100 Trapezoid blades, dispenser at 100 pieces
- 1 HK-5 Hook blades, package of 5 pieces
- 1 ZAW-090 Wiper arm puller, universal
- 1 LM-460 ProGlass long knife 460 mm, with 2 trapezoid blades
- 2 PSH-120-1 ProGlass 2-cup suction lifter, single
- 2 FIX-080 Moulding clamp, single
- 1 STG-3850 Woven adhesive tape, black, 38 mm wide
- 1 DGL-200 Wire handles, self-locking, set of 2 pieces
- 1 SHL-109 Knitted gloves, size L

only with WSL-34:
- 2 WH-400 Tool Holder 440mm
- 1 IND-610 Tool board INDECO 960 x 480 mm,blue, equipped with all holders for WSL-34

only with WSK-34:
- 1 RA-47 Tool Box RAACO Compact 47

WSK-31

Tool case with 31 tools

High-quality and robust tool case made of plastic. Equipped with all tools needed to exchange a bonded windscreen. With this case you are ready to go! The two perfectly cut foam linings are good to keep track of your tools. Every single piece has a tidy place. So you have your tools always at your fingertips and nothing disappears.

Kit contains:

- 1 SD-22 Sawing Wire, braided, spool at 22 m
- 1 VKD-22 Cutting Wire, squared, spool at 22 m
- 1 DGL-200 Wire Handles, self-locking (pair)
- 1 DHL-300 Wire Guide, long version
- 1 DST-733 T-handle Wire Threader, large
- 1 SPZ-160 Pointed Pliers with wire cutter
- 1 ZMX-400 Quick Release Pull Knif
- 1 UWE-3 UltraWiz Stainless Steel Blade Assortment
- 1 GS-380 Glass Scraper
- 1 RK-100A Scraper Blades 40 mm wide (package at 100 pieces)
- 1 FSC-150 Scraper with quick change system
- 1 SC-313 Scraper Blades 12 mm, package at 10 pieces
- 1 SC-316 Scraper Blades 16 mm, package at 10 pieces
- 1 SC-320 Scraper Blades 20 mm, package at 10 pieces
- 1 XL-2 Olfa Long Knife
- 1 LB-10 Olfa Snap-Off Blades, package at 10 pieces
- 1 MS-180 Installation Stick roand/flat
- 1 LH-230 Trim Jack
- 1 CEG-148 Clip Remover, wide
- 1 GHS-280 Pointed Hook, with long shaft
- 1 GHS-140 Pointed Hook, with short shaft
- 2 PSH-120-1 ProGlass 2-Cup Suction Lifter ‘Pro’
- 2 FIX-080 Moulding Clamp
- 1 SHX-110 Knitted Gloves, non slip, size XL
- 1 SB-886 Safety Glasses
- 1 STS-039 Socket Set 1/4 drive in 39 parts
- 2 ZAW-090 Wiper Arm Puller, universal
- 1 KSZ-163 V-Notch Pliers
- 1 KA-539 Cartridge Opener

WSA-600

Auto Glass Tool Cart, fully equipped

High-grade tool cart made of aluminium, plastics and coated steel plate. 4 guide rollers, thereof 2 with brake. 360° swivelmounted glass rack with 4 rubber cups for preparing glasses (Item No. WSH-7050). The three top drawers are fully equipped with all hand tools needed to replace bonded and non-bonded glasses. And to keep everything in a nice order each tool has its own space in a rigid-foam lining.

The three lower drawers without lining offer enough space for power tools or other big tools. In one of the high drawers for example we have put in the pair of suction lifters. To protect your tools all drawers can be locked with a central lock. A paper roll holder, a rod to hang the spray bottles, a 10 litre waste bin and two boxes for small parts such as clips and/or cans are furthermore included.

Item No.	Description	Item No.	Description	Item No.	Description	Item No.	Description
GHS-280	Pointed Hook, long	STS-039	Socket Set	ZMX-400	Pull Knife	GS-380	Glass Scraper
GHS-140	Pointed Hook, short	MHS-068	Hook and Pick Set	UWE-3	Stainless Steel Blade	RK-100A	Scraper Blades
CEG-148	Clip Remover	SB-886	Safety Glasses	SLP-101	Rope Insert Tool	MS-180	Installation Stick
LH-230	Trim Jack	DGL-200	Wire Handles	LT-415	Locking Strip Tool	MS-181	Installation Stick
DWR-120	Wiper Arm Puller	DST-733	T-Handle Wire, Threader	KSZ-163	Nozzle Cutting Pliers	OL-30	Universal Knife
ZAW-090	Wiper Arm Puller	SD-22	Sawing Wire, 22 m	FSC-150	Glass Scraper	XL-2	Long Knife
PF-216	Pen-Light	VKD-22	Squared Wire, 22 m	SC-313	Scraper Blades 12 mm	LB-10	Snap-Off Blades
MH-120	Telescopic Magnet	SPZ-160	Pointed Pliers	SC-316	Scraper Blades 16 mm	KA-539	Cartridge Opener
RMP-416	Installation Pliers for Rearviews Mirrors	DHL-300	Wire Guide	SC-320	Scraper Blades 20 mm	PSL-150-1	Suction Lifter (x2)

WSA-600-0

Tool Cart, empty
Dimensions ca. (LxWxH): 800 x 450 x 985 mm

High-grade tool cart made of aluminium, plastics and coated steel plate. Four drawers with a height of ca. 55 mm and two big drawers with a height of ca. 125 mm. All drawers are 100% useable and can be locked with a central lock to protect your tools. On the left side it has a rack to hang spray bottles, on the right side it has a grill to hook in boxes for small parts.

WSH-7050

Glass Rack

The glass rack transforms the tool cart WSA-600-0 into an auto glass work centre. The rack can be swivelled by 360°. If required you can take it off the screw-mounted base very easily.

Dimensions incl. base
and rubber plates (LxWxH): 98,5 x 60,0 x 16,0 cm
carrying capacity (if mnounted on WSA-600-0): 60 kg

PRH-380

Paper Roll Holder
for tool cart WSA-600-0

Made of black powder coated metal tube. Max. roll diameter 34 cm, max. roll width 41 cm. Delivered incl. mounting parts.

WAB-909 **Waste Bin for Tool Cart WSA-600-0**

Capacity: 10l

WKB-300 **Accessory Box 305 x 80 x 82 mm**

WKB-400 **Accessory Box 402 x 100 x 100 mm**

WZK-5127 **Tool Box with shelf dimensions: 530 x 290 x 270 mm**

Robust plastic case for the storage of tools. Includes one movable shelf for small items.

The case can even be used as a seat or pedestal. Maximum load is 120 kg.

WZK-5132

Tool Box with shelf and compartments in the lid
dimensions: 525 x 295 x 322 mm

Robust plastic case for the storage of tools. Includes one movable shelf for small items. There are four compartments in the lid with movable dividers.

Because of the compartments in the lid this case can not be used as a seat or pedestal.

WZK-5942-R

Tool Box on Wheels
dimensions: 610 x 375 x 415 mm

Robust and very spacious plastic case on wheels with an extendable handle. With two movable shelfs and the detachable lid with further compartments for small items this case is the perfect companion in the mobile service.

The case can be used as a seat or pedestal.
Maximum load is 120 kg.

WKH-4028 **Tool Case HEAVY 4028**
outer dimensions: 500 x 420 x 125 mm
inner dimensions: 470 x 325 x 110 mm

WKH-4032 **Tool Case HEAVY 4032**
outer dimensions: 500 x 420 x 175 mm
inner dimensions: 470 x 325 x 160 mm

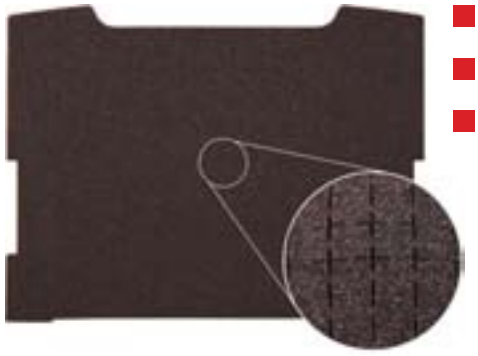
WKH-4036 **Tool Case HEAVY 4036**
outer dimensions: 500 x 420 x 225 mm
inner dimensions: 470 x 325 x 210 mm

The case series HEAVY is the ideal tool storage system. The cases are light-weight, very robust, stackable and have an elegant look.

Why not use for example several tool cases for your mobile service car. One case for the windscreen repair system (TIP: Our system WSR-150 is now delivered in a HEAVY case also), the second one carries all the dismantling and cutting tools and the third one contains the caulking gun, adhesive tapes and so on.

By that you have everything on board but you will only unload the equipment you actually need for a certain job.

Highlights:
- double walls for maximum stability
- softtouch rubber handle
- knee-lever latches
- raised feet for a sturdy stand
- feet fittet to the trunk for stacking the case safley
- optional divider for optimal usage of the inside



WKR-4020 **Pattern foam panel for Tool Case HEAVY, 20 mm thick**

WKR-4040 **Pattern foam panel for Tool Case HEAVY, 40 mm thick**

WKR-4060 **Pattern foam panel for Tool Case HEAVY, 60 mm thick**

The pattern foam panel has a thickness of 20 mm and fits perfect with every HEAVY case. The panel can be easily adjusted to hold every desired content by breaking out some blocks from the pattern (15 x 15 mm). Depending on the height of the case you may wish to put several panels on top of each other.

NSH-015 **Foam panel for Tool Case HEAVY, 15 mm thick**

NSH-025 **Foam panel for Tool Case HEAVY, 25 mm thick**

NSH-035 **Foam panel for Tool Case HEAVY, 35 mm thick**

NSH-50 **Foam panel for Tool Case HEAVY, 50 mm thick**

The foam panels for the lid are available in several different thicknesses. By combining pattern foam and egg foam panels you can create your personal tool case.

WZP-470 **Divider for Tool Case HEAVY**

The divider is fixed on the lid or the bottom of the case (only one divider can be mounted). Two plastic locks hold the divider in place. The divider can be completed with an accessory kit to mount different tools to it.

WZP-470-Z **Accessory Kit for Divider**

2 m rubber band, 25 clips and 5 positioning pins to equip the divider WZP-470

RW-205

Rolling Workshop STANLEY “Profi”

The rolling workshop offers enough space for all tools and supplies that the auto glass professional needs. Thanks to the compact dimensions this tool trolley is an excellent companion for the mobile service.

With a single movement the tool trolley can be demounted in two parts for transportation.

Delivery without Tools.

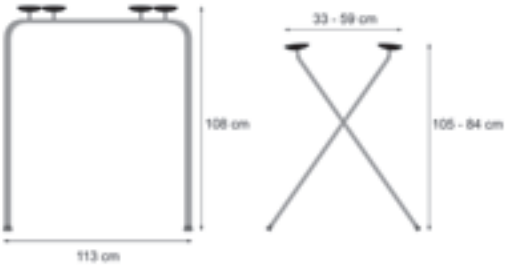
Dimensions: 568 x 389 x 730 mm

- Removable tool tray in the top
- Thereunder is a big compartment that offers enough room for a pair of suction cups
- Drawer for tools
- Big bottom compartment for power tools or other big tools
- Extractable handgrip for convenient and easy transportation
- Retainer for extension cords or air hoses

9 TRANSPORTATION & STORAGE OF GLASS

DWS-840 ProGlass Windscreen Trestle Deluxe

- Robust construction - load capacity 90 kg
- Made of Ø 25 mm steel tube, blue powder coated
- Four high-quality rubber pads (Ø 125 mm) carry the glass
- Each glass support is adjustable by angle and position, thus perfect support for every glass
- Width multi adjustable to carry all sizes of glass
- Delivered demounted, with illustrated manual (assembly in about 5 minutes)

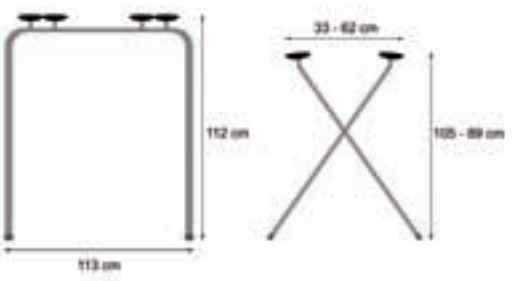


SWS-580 Windscreen Trestle Standard

SWS-580-01 Rubber Plates for SWS-580

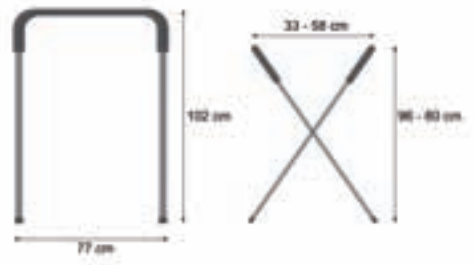
- Traditional design, made of lacquered steel tube Ø 25 mm
- Four big rubber plates to hold the glasses firmly
- Width multi adjustable to carry almost all sizes of glasses
- Delivered partly mounted
- Load capacity: 60 kg

SWS-580-01



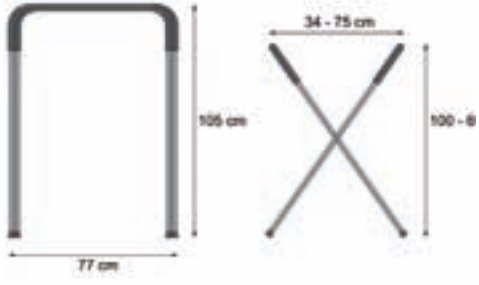
EWS-620 ProGlass Windscreen Trestle Economy

- Well-priced and nevertheless sturdy windscreen trestle
- Made of shock-resistant lacquered steel tube
- Soft coating is made of non-skid material and particularly resistant
- Width multi adjustable to carry almost all sizes of glasses
- Delivered completely mounted
- Load capacity: 60 kg



HWS-760 ProGlass Windscreen Trestle Heavy Duty

- Very sturdy version - load capacity up to 100 kg
- Made of shock-resistant and lacquered steel tube Ø 30 mm
- Soft coating is made of non-skid material and particularly resistant
- Width multi adjustable to carry almost all sizes of glasses
- Delivered demounted, with illustrated manual (mountable in about 5 minutes)



SRD-030

SRD-030 **Glass Rack double-sided with 30 support (carrying capacity max. 600 kg)**

SRE-015 **Glass Rack single-sided, with 15 supports (carrying capacity max. 300 kg)**

ATTENTION: Despatch only by forwarding agency! For this item additional shipping cost always applies. We will confirm the actual shipping cost with our order confirmation.

- Very solid rack for storage of all types of car glasses
- All pipes are coated with a strong PVC hose
- Shock absorbing rubbers at the end of each tray
- Each tray can easily carry 5 glasses of the same type (Distance between pipes: 11cm)
- Height: 240 cm, Width: 83 cm
- Delivery partly mounted
- prepared for wall- and floor-mounting

SRE-015

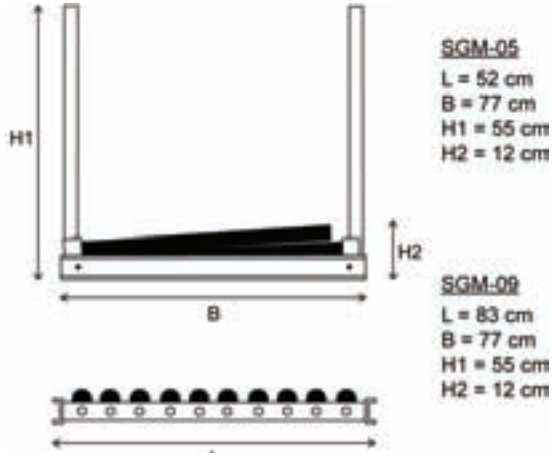
SGM-05

Glass Rack with 5 compartments, collapsible

SGM-05

Glass Rack with 9 compartments, collapsible

- Rack completely made of high-grade aluminium - this means no peeling off paint, no rust
- Non-skid rubber cams and supports hold all sizes of glasses firmly
- Tubes are all padded with resistant material
- Rack delivered completely mounted, ready to bolt to the vehicle's bottom (fixing material included)
- In case of disuse, collapsible in a few seconds by pulling out the locking pins



SGM-05
L = 52 cm
B = 77 cm
H1 = 55 cm
H2 = 12 cm

SGM-09
L = 83 cm
B = 77 cm
H1 = 55 cm
H2 = 12 cm

PSL-150-1

ProGlass 2-Cup Suction Lifter, blue, single

Easier and safer to attach than common suction lifters with clamp lever technology - the bell-shaped rubber pads already adhere onto the glass surface with slight pressing - even before pressing down the lever.

- Additonally, the two bell-shaped rubber pads with large seal avoid slipping or coming off
- Pin-jointed heads for an optimum hold on all curved glasses
- Slotted handle to pass a belt through
- Load capacity for each lifter is 60 kg
- Frame made of light-weight and shock-resistant plastic
- Diameter of suction cup 150 mm

PSH-120-1

ProGlass 2-Cup Suction Lifter, blue, single

- Pin-jointed heads for optimum hold on curved glasses
- Slotted handle to pass a belt through
- Load capacity for each lifter is 60 kg
- Frame made of light-weight and shock-resistant plastic
- Diameter of suction cup 115 mm

PHX-150-1 ProGlass Suction Lifter “ProDeluxe”

- Single-cup suction lifter for one-hand operation with big suction cup 150 mm
- load capacity 30 kg
- for easier and safer handling
- Frame made of light-weight and shock-resistant plastic

PHL-115-1 ProGlass Suction Lifter “Pro”

- Handy single-cup suction lifter for one-hand operation
- Diameter of suction cup 115 mm
- load capacity 30 kg
- Frame made of light-weight and shock-resistant plastic

SHP-150-1

ProGlass Vacuum Lifter, single

- Bell-shaped rubber pad (Ø 150 mm) for optimal hold, also on strongly curved glass surfaces
- Fixed with the integrated vacuum pump
- Safety ring at the pump plunger for optical monitoring of the vacuum
- Load capacity for each single lifter is 60 kg

SHP-150

ProGlass Vacuum Lifter Kit

Kit contains:
- 2 single vacuum lifters SHP-150-1
- 1 ellbow pad
- 1 plastic case 365 x 200 x 180 mm

SHP-230-1

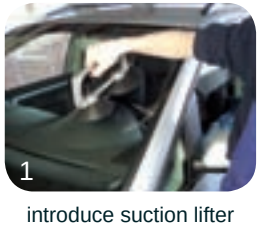
Vacuum Lifter for heavy glasses, single in plastic case

- Bell-shaped rubber pad (Ø 230 mm) with multiple-seal lip
- For optimum hold, also on strongly curved glass surfaces
- Fixed with the integrated vacuum pump
- Red safety ring at the pump plunger enables optical monitoring of the vacuum
- Load capacity for each lifter is 120 kg

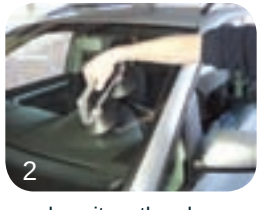
SHV-125-1

2-Cup Suction Lifter single

- Particularly flexible bell-shaped rubber pads fit onto all glasses
- Fast 1-hand-operation for serial assembling or transportation
- Load capacity for suction lifter is 40 kg
- Diameter of rubber pad 125 mm

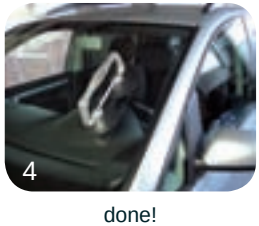


introduce suction lifter

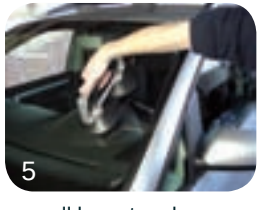


place it on the glass

press it down



done!



pull lever to release

GT-3516

Window Carrier

The window carrier allows you to carry large windows without the use of suction lifters with only one person.

SHG-200

Single Suction Cup with spherical rubber pad

- spherical rubber pad also fits extremely curved glasses
- Fast application without lever or pump
- Suction capacity per piece: 20 kg
- Suction cup diameter: 165 mm
- Material: Rubber

RTD-509

Pair of Ratcheting Tie Downs

- To secure freshly bonded-in glasses
- They obtain the German TÜV/GS symbol that stands for proved safety
- Solid ratcheting mechanism
- Length of each belt: 5 m

10 INSTALLATION OF GLASS

SL-350-B

Windscreen Lift up to 3,50 m height for busses, trucks and trains

The ProGlass Windscreen Lift facilitates the fitting of big and heavy windows on busses, trucks or trains.

The model SL-350-B has a suction unit with three suction cups with an overall load capacity of 210 kg. The lift has a total height (extended) of approx. 3,50 m.

This is even high enough to exchange the top windscreen on big coaches. The whole construction can be easily folded down for transportation in a service truck.

All functions are mechanical (no external power source necessary) - only lifting and lowering of the window can be supported sensible by using a cordless screwdriver (not included!).

By using the Windscreen Lift the manpower requirements for the glazing of big vehicles can be reduced by minimum one person. Therefore it will pay for itself within short time.

SL-300-L

Windscreen Lift up to 3,00 m height for busses, trucks and trains

The model SL-300-L has a suction unit with two suction cups with an overall load capacity of 140 kg. The lift has a total height (extended) of approx. 3,00 m. This is high enough to exchange the windscreen on trucks and the most busses with ease. The whole construction can be easily demounted for transportation in a service truck.

SOK-3020

Aegis SOLO II Standard Kit
Installation Help

The installation help AEGIS® Solo™ II allows the installation of windscreens “solo”, meaning by a single technician. By that large windscreens, including the biggest vans, can be installed by only one person - a job that mostly needed two technicians so far.

The AEGIS® Solo™ II features a reversible arm that works from both sides of the vehicle. This arm is also extendable for all sizes of vehicles.

Works with any windscreen curvature. The AEGIS® Solo™ II is based off of the popular AEGIS® Solo™; design.

SOK-3030

Aegis SOLO II Deluxe Kit
Installation Help SOLO II

With their big handles the vacuum lifters are ideal for rotating and pivoting the glass. At the same time they can be mounted very close to the glasses edge which facilitates handling especially for smaller installers.

PFN-300

Mobile scaffold for truck & bus work

- The ideal scaffold for the glazing of trucks and busses
- Working height ca. 3 m (expandable if required)
- TUEV approved, load capacity 200 kg/m2 (scaffold class3) in accordance with EN1004
- The platform size with 3,00 m x 0,60 m offers a safe working space
- All parts are easy to handle (weight max. 24 kg)
- quick and easy assembling without use of tools thanks to the patented locking system

PFK-050

NEW

Work platform StepTop

- Foldable work platform with water-proof and non-slip phenolicresin panel (109 x 30 cm)
- Ideal for working on vans and small trucks (height of platform: 50 cm)
- Safety locks on both sides prevent unintentional folding
- Multiple riveted robust aluminum step/rail joints with 4 additional stable corner braces
- Quick and space-saving storage (13.5 cm thick)
- Non-slip, large dimensioned foot caps ensure safe foothold

RT-560

Wheel Step Ladder
load capacity: 225 kg

- facilitates working on high vehicles
- simply put it over the front wheel, if necessary swivel in from the front
- applicable for almost all saloon cars, vans, SUVs and allterrain vehicles with a wheel diameter of at least 600 mm
- **Note:** Due to the size of the wheel arch and the construction of the suspension strut not suitable for all vehicles

SK-1060K

ProGlass SK-1060K 1-Component PUR Auto Glass Adhesive, cartridge at 310 ml

NEW

ProGlass SK-1060K is a single-component auto glass adhesive of the latest generation.

The adhesive is high-modulous, easy to applicate, it can be used for practically all vehicles and offers a safe drive-away time of only 1 hour with passenger airbag (tested by TÜV).

This adhesive is a true all-in-one product for automotive replacement glazing.

For further information please refer to the technical data sheet.

Packaging Unit:
Carton at 12 pieces incl. plastic nozzle

SKS-1060-K

ProGlass Bonding Kit Cartridge

NEW

Kit contains:
- 1 cartridge SK-1060K auto glass adhesive (310 ml)
- 1 bottle SP-1001 All-In-One primer (15 ml)
- 2 applicators (same as AP-100)
- 1 plastic nozzle
- 1 Product Information / Application Note

SK-1060B

ProGlass SK-1060B 1-Component PUR Auto Glass Adhesive, sausage pack at 400 ml

ProGlass SK-1060B is a single-component auto glass adhesive of the latest generation.

The adhesive is high-modulous, easy to applicate, it can be used for practically all vehicles and offers a safe drive-away time of only 1 hour with passenger airbag (tested by TÜV).

This adhesive is a true all-in-one product for automotive replacement glazing.

For further information please refer to the technical data sheet.

Packaging Unit:
Carton at 12 pieces incl. plastic nozzle and adaptors

SKS-1060-B

ProGlass Bonding Kit Sausage Pack

Kit contains:
- 1 sausage pack SK-1060B auto glass adhesive (400 ml)
- 1 bottle SP-1001 All-In-One primer (15 ml)
- 2 applicators (same as AP-100)
- 1 plastic nozzle and adaptors
- 1 Product Information / Application Note

SP-1010 **Adhesive Agent / All-in-One Primer bottle at 100 ml**

SP-1001 **Adhesive Agent / All-in-One Primer bottle at 15 ml**

NEW

This All-In-One Primer (black primer) is the perfect UV protection for our ProGlass PUR adhesive.

But as a real universal talent the primer can also be applied on all other surfaces incl. the remaining PUR bead on the pinchweld and coatings on the new glass.

here is no separate activator or transparent primer necessary. Additionally this All-In-One Primer is an effective anticorrosive so that eventually occuring damages on the pinchweld can be simply covered with this primer (apply 2 layers).

For further information please refer to the technical data sheet.

KSP-1580-12 **Plastic nozzles M15 x 1.5, package of 12**

KSP-1580-100 **Plastic nozzles M15 x 1.5, package of 100**

NEW

Cartridge nozzles made of PE with embossed cutting marks, for ‘cut to fit’ use.For the application of auto glass adhesives in aluminium cartridges with standard thread M15 x 1.5. With separately available adaptor (ProGlass KBA-4915) also suitable for sausage packs.

KBA-4915-12 **Adaptor for plastic nozzles M15x1.5, package of 12**

KBA-4915-50 **Adaptor for plastic nozzles M15x1.5, package of 50**

NEW

Plastic adaptor made of PE fur the use of auto glass adhesive in sausage packs with standard plastic nozzles with inside thread M15 x 1.5 mm.

- **AP-100** — **Applicators, lint-free, 105 mm long, 100 pieces per carton**
- **AP-100-B** — **Applicators, lint-free, 105 mm long, 100 pieces per plastic bag**
- **AP-25** — **Applicators, lint-free, 105 mm long, 25 pieces per plastic bag**
- **AP-2500** — **Applicators, lint-free, 105 mm long, 2.500 pieces in a corrugated card board box**

Applicators for clean and exact application of black and transparent primers, cleaning agents and so on.

Applicator tuffs are made of pure cotton, virtually lint-free, solid and tightly equipped, for an evenly covering application.

- **APL-100** — **Applicators, lint-free, 130 mm long, 100 pieces per carton**
- **APL-100-B** — **Applicators, lint-free, 130 mm long, 100 pieces per plastic bag**
- **APL-25** — **Applicators, lint-free, 130 mm long, 25 pieces per plastic bag**
- **APL-2500** — **Applicators, lint-free, 130 mm long, 2.500 pieces in a corrugated card board box**

The 130 mm applicators keep your fingers clean.

With the longer wire they also reach the bottom of most 250 ml bottles.

AKP-075

Panasonic Cordless Caulking Gun 14.4 V
for cartridges and sachets up to 400 ml

- Most powerful battery powered caulking gun on the market ejection pressure 4400 N
- Up to date lithium-ion battery technology for maximum power and minimum weight (tool incl. battery pack: 2.6 kg)
- Variable speed for controlled application
- Remaining sealant content is indicated by rack position
- No dripping of sealant thanks to electronic rack release function after disengaging the trigger
- Rack disengages automatically for fast reloading
- Ergonomically shaped, nonskid 2-component handle
- Delivered with one 14.4 V Li-Ion battery pack (3.3 Ah)
- Panasonic multi quick charger included

AKP-075L

Panasonic Cordless Caulking Gun 14.4 V
for cartridges and sachets up to 600 ml

- Most powerful battery powered caulking gun on the market ejection pressure 4400 N
- Up to date lithium-ion battery technology for maximum power and minimum weight (tool incl. battery pack: 2.8 kg)
- Variable speed for controlled application
- Remaining sealant content is indicated by rack position
- No dripping of sealant thanks to electronic rack release function after disengaging the trigger
- Rack disengages automatically for fast reloading
- Ergonomically shaped, nonskid 2-component handle
- Delivered with one 14.4 V Li-Ion battery pack (3.3 Ah)
- Panasonic multi quick charger included

AKP-050

ProGlass Cordless Caulking Gun 7,2 V
for cartridges and sachets up to 400 ml

- ProGlass exclusive remodeling of the Panasonic cordless caulking gun EY3654 (AKP-050L)
- Reduced weight and better handling because of the shorter barrel (weight incl. battery: 2.1 kg)
- Powerful and robust cordless caulking gun ejection pressure 2500 N
- Remaining content easily visible by the position of the rack
- Electronic rack release function avoids dripping of sealing compound after disengaging the trigger
- To use with cartridges as well as sachets up to 400 ml (delivered with both adaptors)
- Rack release button allows quick changing of cartridges
- Delivered with two 7.2 V Ni-Cd rechargeable battery packs (2.0 Ah)
- 15-minute Panasonic quick charger included

AKP-050L

Panasonic Cordless Caulking Gun 7,2 V
for cartridges and sachets up to 600 ml

Same as AKP-050, but with a transparent barrel and for sachets up to 600ml.

Weight incl. battery: 2.2 kg

AKP-050L-02

Transparent barrel for AKP-050L resp.
Panasonic EY3654

Replacement Barrel for AKP-050L (= Panasonic EY3654).

AKP-025-E

Panasonic Cordless Caulking Gun 2,4 V for 310 ml cartridges

- Cordless caulking gun, ejection pressure 1500 N
- Light-weight and handy tool (weight incl. battery: 1.4 kg)
- Position of the rack shows the remaining content
- Electronic rack release function avoids dripping of sealing compound after disengaging the trigger
- Rack release button allows quick changing of cartridges
- 2.4 V Ni-Cd rechargeable battery pack (1.2 Ah)
- 1-hour Panasonic charger included

AKP-025-2

Transparent Barrel Kit for AKP-025-E

Conversion kit for sachets of 400 ml, to use with the caulking gun AKP-025-E.

SDF-208E

ABB Cordless Caulking Gun
for cartridges up to 310 ml

- Cordless caulking gun, ejection pressure 1500 N
- Very compact size, due to the telescopic rack (weight incl. battery: 1.6 kg)
- Electronic rack release function avoids dripping of sealing compound after disengaging the trigger
- 2.4 V Ni-Cd rechargeable battery pack (1.2 Ah)
- 1-hour ABB charger included

SDF-FR208EF

Transparent Barrel Kit
for SDF-208E

Conversion kit for sachets of 400 ml, to use with the caulking gun SDF-208E

SDF-208EF

ABB Cordless Caulking Gun
for 310 ml cartridges and sachets up to 400 ml

- Remaining content easy visible, due to the transparent barrel
- Delivered with adaptors for cartridges or sachets
- More features see SDF-208E
- total weight incl. battery: 1.4 kg

BP-075

NEW

Rechargeable Li-Ion Battery Pack 14.4 V (3.3 Ah)
for AKP-075 and AKP-075L

QC-075

NEW

Quick Charger
for AKP-075 and AKP-075L

This Quick Charger is also useable for the 7.2V battery packs BP-050-N and BP-050-P.

BP-050-N

Rechargeable Battery Pack 7.2 V
for AKP-050 and AKP-050L

BP-050-P

Battery pack 7.2 V (2.0 Ah)
for AKP-050/-L

QC-050

15-min.-Quick Charger
for 7.2 V battery pack (for AKP-050/L)

BP-025 — **Rechargeable Battery Pack 2,4 V for AKP-025-E**

AEC-608 — **Charger (1h) 230 V for caulking gun AKP-025-E**

SDF-AK210 — **Battery pack for SDF-208E and EF**

SDF-LG208 — **Charger for caulking gun battery pack for SDF-208E/EF**

Alternative rechargeable batteries and chargers for Panasonic and ABB caulking guns

All batteries and chargers have been tested comprehensively and are in industrial use for years. Especially the 2.4 Volt-batteries offer significantly higher capacities (Ah) compared to those offered by ABB and Panasonic. Thus the battery has more power available which stands for a longer operating time with one battery load. The chargers also offer advantages over the originals. Thanks to the electronic charge control the batteries are charged more optimal. The result is a longer operating time per battery load and the whole product life can be extended.

Besides that all batteries and chargers offer a very convenient cost/performance ratio.

- **BP-2414** — **Rechargeable Ni-Cd Battery Pack 2.4 V, 1.4 Ah**
- **BP-2420** — **Rechargeable Ni-Cd Battery Pack 2.4 V - 2.0 Ah**
- **BP-2424** — **Rechargeable Ni-Cd Battery Pack 2.4 V - 2.4 Ah**
- **BP-2430MH** — **Rechargeable Ni-MH Battery Pack 2.4 V, 3.0 Ah**

  Battery pack suitable for AKP-025-E, SDF-208E and SDF-208EF

- **BP-7220** — **Rechargeable Ni-Cd Battery Pack 7.2 V, 2.0 Ah**

  Battery pack suitable for AKP-050 and AKP-050L

- **BC-2448** — **Quick Charger 2.4 - 4.8 V for ABB, Panasonic and alternative rechargeable battery packs**

BC-4814

Quick Charger 7.2 V

for Panasonic and alternative rechargeable battery packs

TN-310

COX Pneumatic Caulking Gun
for 310 ml cartridges, max. inlet pressure 10bar

- Pneumatic Caulking Gun without piston - compressed air streams directly towards the bottom of the cartridge (the car tridge must not be damaged or dented at the bottom)
- Regulation of ejection speed with integrated valve

TN-600

COX Pneumatic Caulking Gun
for 600 ml sachets, max. inlet pressure 10bar

- Pneumatic caulking gun with floating piston - compressed air streams directly towards the bottom of the floating piston which presses towards the sachet
- Regulation of ejection speed with integrated valve

TM-400

COX Pneumatic Caulking Gun for cartidges and sachets up to 400 ml, max. inlet pressure 10bar

- Pneumatic gun with piston rod - mechanical piston is pressed towards the bottom of the cartridge or sachet by compressed air.
- Regulation of ejection speed with integrated valve

AC-325

COX Manual Caulking Gun 26:1
for 310 ml cartridges

- The trigger ratio 26:1 enables to eject even high viscosity glass sealants
- Heavy construction for long durability
- This established mechanism is equipped with a wear compensating device. That means, even after longer use, no clearance at the trigger

AC-325C

COX Manual Caulking Gun 26:1
for cartridges and sachets up to 400 ml

- The trigger ratio 26:1 enables to eject even high viscosity glass sealants
- Heavy construction for long durability.
- This established mechanism is equipped with a wear compensating device. That means, even after longer use, no clearance at the trigger.

AC-625C

COX Manual Caulking Gun 26:1
for cartridges and sachets up to 600 ml

- The trigger ratio 26:1 enables to eject even high viscosity glass sealants
- Heavy construction for long durability
- This established mechanism is equipped with a wear compensating device. That means, even after longer use, no clearance at the trigger

CT-318

COX Manual Caulking Gun 18:1
for 310 ml cartridges

- The trigger ratio 18:1 facilitates ejection of high viscosity sealants compared to standard caulking guns
- Solid construction
- Approved long-living mechanism

AV-418

COX Manual Caulking Gun 18:1
for cartridges and sachets up to 400ml

- The trigger ratio 18:1 facilitates ejection of high viscosity sealants compared to standard caulking guns
- Solid construction
- Approved long-living mechanism

AV-618

COX Manual caulking gun 18:1
for cartridges and sachets up to 600ml

- The trigger ratio 18:1 facilitates ejection of high viscosity sealants compared to standard caulking guns
- Remaining content easy visible, due to the transparent barrel
- Solid construction
- Approved long-living mechanism

2P1021

Plastic Adaptor for sachets

This plastic adaptor is part of every COX caulking gun for sachets and also parts of some battery powered caulking gun for sachets. Whenever a sachet was clamped in your gun you should replace this adaptor.

ASB-001

Adaptor Kit for Sachets

Sachet clamped? Or even ripped? We Know the problem! And here is the solution: An adaptor that properly fits the cylinder of your gun. That does not clamp the sachet. And that empties the sachet economically.

Suitable for following products from our range: AKP-050, AKP-050L, SDF-208EF, AC-325C, AC-625, AV-418, AV-618, TM-400, as well as many others on the market!

KA-539

Cartridge Opener

A handy tool to remove the bottom seal of many aluminium cartridges as well as to open the front seal without making a mess.

UTO-539

NEW

Cartridge Opener 2-fold
for regular and wide nozzle openings

A handy tool to remove the bottom seal of many aluminium cartridges as well as to open the front seal without making a mess. The stem for the nozzle opening is stepped so that you can use it to open both common types of cartridges.

RKS-594

Nozzle Cutter

To open plastic cartridges and to cut the nozzle without risk of injury

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MK-081

Replacement Blades for RKS-594
package of 5 pieces

KSZ-163

Nozzle cutting pliers, made of plastic

For easy and tidy cutting a perfect v-notch for sealant application. Pliers made of fiber-reinforced plastic, blade made of aluminium with a millimeter scale.

KSZ-306

Nozzle cutting pliers, metal version

For easy and tidy cutting a perfect v-notch for sealant application. Pliers made of metal, blade made of solid steel.

AGR-1105

Rubber spacers roand (Ø 11 mm, Height 5 mm)
Pad with 56 pieces

These self-adhesive roand rubber spacers are the same ones used by BMW. But of course you can use them also on all other vehicles as a universal spacer.

AGV-0906

Rubber spacers rectangular (LxWxH: 30 x 9 x 6 mm)
package of 100 pieces

Self-adhesive rectangular rubber spacers. You can cut them according to your needs. They are a practically irreplaceable utility when installing windscreens.

Thanks to the self-adhesive anderside you can put them wherever you want.

ABS-025

ProGlass Airbag Stickers
package of 25 pieces

Almost every car manufacturer has an own airbag warning sticker for the windscreen. Our stickers help you to save time and money to purchase different stickers from the manufacturers.

Our multi-useable airbag sticker is made of transparent adhesive foil and can be used for all passenger cars with driver airbag, passenger airbag and side-impact airbag.

TB-3006

NEW

Butyl Tape Ø 3 mm
package with 5 reels at 3 m

This fine butyl tape is excellent to stick up the window frame before installing a windscreen or to fix a ‘stubborn’ moulding.

TO-1437

Pinchweld Cleaning Brushes

A clean pinchweld is the base for a properly installed and leak-proof windscreen. But it is not always necessary to use a vacuum cleaner. Many times a brush will be sufficient to clean the pinchweld before cutting down the old polyurethane. The brushes are made of horsehair that is soft to the paint but strong enough to brush away the dirt.

KS-125

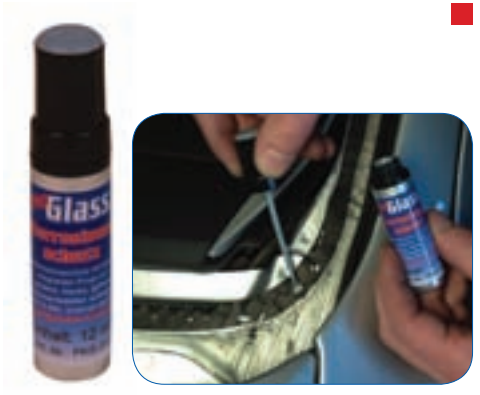
Body filler applicators, in 3 parts

A perfect means to trim and correct fresh PU beads after setting a new glass or to fill up gaps. Remaining adhesive can easily be pulled of the plastic after it is hardened.

PRS-118

ProGlass Rust Remove Pencil

A practical pen to quickly and tidily erase small corroded points. The ‘core’ of the pen consists of a 3 cm long bandle of fibre glass with a very good abrasive effect. Delivery with two additional bandles of fibre glass, stored inside the shaft, for replacement.



PKS-012

ProGlass Anti-Corrosion Touch-Up Pen
Touch-Up Pen with brushes, content: 12 ml

Repairing pen for small corrections of damage to the car’s paint-work, e.g. at the pinchweld. Tidy application of the grey anti-corro-sion liquid with brush, integrated in the lid. This product is quick-setting and needs no topcoat. That means, right after drying you can start installing the glass.

11 ADHESIVE TAPES, GLUES & RUBBER PROFILES

LSS-085

Conductive Silver Pen, 8,5g

The Conductive Silver Pen is suitable to metal-coat all smooth surfaces. This is a simple method to produce or repair electrically conductive connections. As this pen can also be used overhead it is especially suitable for the repair of defroster wires on a heated rear window.

LSL-030

Conductive Silver Paint, 3g

Conductive paint on silver basis. Suitable to metal-coat almost all surfaces. Applied with a fine paint-brush it can be used e. g. for the repair of defroster wires on a heated rear window.

HP-1002

Fine paint-brush

For the application of conductive silver paint.

TVB-0333

Fine line tape blue, 3 mm wide, reel at 33 m

The fine line tape is made of PVC as a masking tape for different workings. For example it is perfect to paste up a cutting line to facilitate the tailoring of window films. But you can also use it to easily paste up boandary lines when repairing the wires of a rear window heater.

LSK-140

Conductive Silver Bonding Kit, 14g

2-component epoxy for making conductive bondings.

This adhesive can be used in all situations where soldering is difficult or impossible. Therefore it is just perfect to re-affix a broken electrical connection to a heated rear window.

TPB-1910

Textile Protection Tape black
19mm wide, reel at 10m

TPB-1925

Textile Protection Tape black
19mm wide, reel at 25m

The textile protection tape is a multi-purpose adhesive tape. It can be used e.g. to treat squeaking linings, plastic parts or cables. It is also very suitable to wrap cable loops.

SFP-10 **Mirror adhesive Pads, package of 10 pieces**

SFP-100 **Mirror adhesive Pads, package of 100 pieces**

Mirror adhesive pads of OEM quality for tension-free bonding of interior mirrors (e.g. Ford). The double-sided adhesive pad has a very high tack. Degrease glass and mirror base well, then press on the mirror strongly for a few seconds - ready!

Dimensions: 41 x 28 x 1,0 mm

RMS-105 **Loctite Interior Mirror Bonding Kit**

Bonding kit for durable and tension free bonding of all types of interior mirrors. Sturdy after only 30 seconds. Package contains 5 ml glue and 10 nylon squares (tinctured with activator).

3317 **Loctite Glass/Metal Bonding Kit, large**

Glas/metal bonding kit for durable bondings of interior mirrors. The package contains 24g glue and 150 ml activator.

3319 **Loctite Glass/Metal Bonding Kit, small**

Glas/metal bonding kit for durable bondings of interior mirrors. The package contains 5g glue and 4 ml activator.

401

Loctite Superglue,
tube at 3 g in blister pack

Loctite 401 is especially suitable for bonding rubber, plastic and metal as well as porous materials like polyurethane foam many vehicle mouldings are made of. This cyanoacrylate glue dries within seconds and forms a transparent, hard layer. It is therefore not applicable for flexible bondings.

4850

Loctite Superglue for rubber,
tube at 5 g in blister pack

Loctite 4850 stays flexible after drying and is particularly applicable for bonding elastomers and rubbers as well as many types of plastic, metal and porous materials. This cyanoacrylate glue dries within seconds and forms a transparent and flexible bonding.

7063

Loctite 7063 Super Clean
aerosol can at 400ml

Loctite 7063 is a lightely volatile cleaner to prepare surfaces for bonding. From our experience it is the perfect product to clean glass before installing the anderside moulding UP-200.

How to proceed:
Remove residue of old moulding from the glass with a sharp scraper. Clean the glass carefully with aglass cleaning agent. Then spray Loctite 7063 generously on the glass edge and wipe it with a clean paper towel. Now install the new moulding. It is best to start at the bottom side. Glue both ends of the moulding together with Loctite 4850.

UP-100B

UP-105B

UP-105BD

UP-107B

UP-107BD

UP-108B

- **UP-100B** — **Universal-Moulding with Butyl Glue**
  Typ ‘T4’, reel at 23 m
- **UP-105B** — **Universal-Moulding with Butyl Glue**
  16 mm wide, reel at 23 m
- **UP-105BD** — **Universal-Moulding with Butyl Glue and detail line**
  16 mm wide, reel at 23 m
- **UP-107B** — **Universal-Moulding with Butyl Glue**
  19 mm wide, reel at 23 m
- **UP-107BD** — **Universal-Moulding with Butyl Glue and detail line**
  19 mm wide, reel at 23 m
- **UP-108B** — **Universal-Moulding with Butyl Glue**
  23 mm wide, reel at 23 m

- With the universal mouldings, compared to model type mouldings, you are able to reduce storage space and at the same time, save a lot of money.
- Our universal mouldings are made of high-quality material and are easy to handle. The mouldings with detail line (UP-105BD, UP-107BD) are a visual appealing alternative. They are used the same way like mouldings without detail line. Therefore they are not separately mentioned in the allocation table on page 166.
- Silk-matt surface, for a perfect look
- Material particular flexible, for neatly fitting borders
- Mouldings are suitable for all LSG windscreens with a thickness of 4-6 mm
- For easier installation the glass channel has a thin layer of butyl glue (marked blue in the figure)
- Underside moulding UP-200 with strong adhesive tape (marked blue in the figure) for safe fixation on the glass
- The included metal filament (white spot in the figure / not for UP-200) avoids unintentional stretching of the moulding during the installation or shrinking over time

UP-200 **Universal Anderside Moulding, self adhesive reel at 30 m (2 x 15,0 m)**

UPI-5024 **Anderside Moulding Installer**

This moulding installer helps to fix the Anderside Moulding UP-200.

Therewith the moulding will automatically be affixed in a constant distance to the glass edge. Like this you receive a good look, trouble-free and easy.

MCA-265 **Standard Moulding Maker**

The Standard Moulding Maker enables to widthre universal mouldings. We recommend to stick the cuts with Loctite 4850 Superglue.

Allocation Table of Universal Mouldings

YOC	MODELL	FRONT	REAR
ALFA			
90-94	33 (II)	105	
85-93	75	105	
84-87	90	105	
84/95-00	145/146	100	
00-	147	105	
92-97	155	105	
97-	156	100	
95-	GTV/Spider	105	
AUDI			
89-94	80 B3 Coupé	100	
91/94-97	100 C4/A6 L+K	100	
91/94-97	100 C4/A6 L		100
96-	A3	100	
94-11/00	A4 L+K	100	
BMW			
91/93-98	E36 3er L+K	105	
91-	E36 3erCompact		105/107
96-	Z3 Roadster	105	
00-	Mini Cooper	107	
CITROEN			
90-	AX	107	
83-92	BX I u. II	105	
83-87	BX I L		105
83-87	BX Break		105
94-	Evasion Jumpy	100	
91-	XM L	107	
97-	Xsara	107/108	
00-	Xsara Picasso	100	
91-	ZX L	107	
DAEWOO			
97-	Lanos	100	
97-	Leganza	105	
97-	Nubria	105	
98-	Cielo	105	
DAF NKW			
00-	LF 45-55	108	
DAIHATSU			
99-	Cuore V L701	105	
97-	Gran Move	105	
98-	Sirion	105	
97-	Terios	105	
FIAT			
94-	Barchetta C	107/108	
95/96-	Bravo/Brava	100	

YOC	MODELL	FRONT	REAR
FIAT (continued)			
95/96	Marea	100	
95-	Bravo/Marea		200
85-	Croma	107/108	107/108
3/01-	Doblo	107/108	
99-	Multipla	100	
98-	Palio	107/108	200
94-	Punto I C	107/108	
99-	Punto II	105	
98-	Seicento		105
01-	Stilo 3/5trg. K	200	
87-	Tipo/Tempra	105	
87-	Tipo 3/5trg.		105
94/95-	Ulysse/Scudo	100	
FORD			
90-98	Escort IV 3/5trg.		105
98-	Focus	100	200
95-	Galaxy	100	
93-	Mondeo FLH,L,K	107/108	
82-86	Sierra I	107/108	
87-	Sierra II	107/108	
86-	Transit II	107/108	
97-00	Transit III	107/108	
00-	Transit IV	107	
HONDA			
84-87	Civic III CRX	105	
92-	Civic V 3trg. SR3	107/108	
92-97	CivicV CRX TargaEG2	107/108	
95-	Civic V L 5trg.	107/108	
91-	Concerto SJ4	105	
93-	Integra	107/108	
95-11/98	Shuttle III	107/108	
HYUNDAI			
95-	Accent I / EXCEL	105	
00-	Accent II	100	
98-	Atos	100	
00-	Atos Prime	100	
06/96-	Cupé J2	100	
91-	Lantra	105	
98-	Starex / H200	100	
KIA			
01-	Carens	100	
99-	Carnival	100	
96-	Clarus	100	
01-	Rio	100	
93-	Sephia I	105	
98-	Sephia II / Shuma	100	
LANCIA			
85-	Y10	105	105

YOC	MODELL	FRONT	REAR
LANCIA (continued)			
96-	Y11	105	
94-	Zeta	100	
MAZDA			
89-	323 IV BG 2trg. HTB	105	
89-94	323BG/L IV5trgFLH	105	
9/94-98	323 L V 5trg.	105	
87/88-90	626III L+K	105	
88-91	626IIICp GD+FLH	105	
98-	Demio Van	100	
90-	MX 5	105	
99-	Premacy	100	
92-	RX7 Cp III	105	
MERCEDES			
96-	W170SLK Roadster		200
00-	W203 L+K	107/108	
88-96	MB 100 D	107/108	
96-	Vito Transporter	107/108	
MITSUBISHI			
95-	Carisma	105	
88-91	Colt III C50	105	
93-	ColtIVCC/Lancer	105	
96-	Colt V	100	
92-	Eclipse I Cp	105	
93-96	Galant L	105	
97-	Galant EAO	105	
96-	L200 Pick-Up	100	
88-92	LancerC60L+HTB	105	
93-	Lancer L+K CBO	105	
91-98	Pajero II Jeep	107	
99-	Pajero Pinin	105	
95/96-	Space Gear/l400	100	
91-95	Space Runner	100	
99-	Space Star	105	
92-	Space Wagon II	100	
99-	Space Wagon III	105	
NISSAN			
00-	Almera N16	105	
00-	Almera Tino		200
00-	Maxima	105	
82-1/92	Micra K10		105
93-	Serena	105	
86-93	Terrano I/Pick-Up	105	
OPEL			
98-	Astra G	107/108	
98-	Astra G K		105
04/93-	Corsa B 3trg.		105
94-	Corsa B Combo		105
00-	Corsa C	107/108	

Legend: 100 = Art. UP-100B / 105 = Art. UP-105B(D) / 107 = Art. UP-107B(D) / 108 = Art. UP-108B / 200 = Art. UP-200
Cp = coupé / C = convertible / K = estate / L = limousine

No responsibility is taken for the corectness of this information!

Allocation Table of Universal Mouldings

YOC	MODELL	FRONT	REAR
OPEL (continued)			
91-98	Frontera I	105	
99-	Frontera II	105	
84-92	Kadett E L, K+C	105	
84-92	Kadett E L+K		105
93-	Monterey	105	
86-93	Omega A	105	
97-	Sintra/GM Transport	107/108	
94-	Tigra	107/108	
95-	Vectra B	107/108	
96-	Vectra B K		105
99-	Zafira	107/108	105
PEUGEOT			
91-	106		105
89-	205		105
98-	206	100	
96-	406 L+K	100	
94-	806	100	
RENAULT			
94-00	Laguna I L+K	107/108	
01-	Laguna II L+K	107/108	
97-	Megane Scénic	105	
92-01	Safrane	105	
00-	Midlum	107/108	
96-	Premium	107/108	
ROVER			
90-95	200	107/108	
95-	200	100	
95-	400	107/108	
97-	Freelander	100	
97-	MG F Roadster	100	
SAAB			
94-	900	107/108	
SEAT			
96-	Alhambra	100	
00-	Alhambra		200
97-	Arosa	200	200
94-00	Cordoba 3/5trg.	107	
93-	Ibiza II	107	200
00-	Ibiza III		200
91-00	Toledo I	107	
SSANGYONG			
95-	Musso	107/108	

YOC	MODELL	FRONT	REAR
SUBARU			
98-	Forester	107/108	
95-98	Legacy II	107/108	
SUZUKI			
95-	Baleno L+K	105	
10/98-	Jimny	100	
89-93	Vitara I	105	
93-98	Vitara II	105	
TOYOTA			
91-	4 Runner	105	
98-	Avensis L	100	
08/01-	Avensis Verso	100	
08/01-	Camry	100	
92-97	Carina IV AT 190/192	105	
90-93	Celica I ST 182	107	
94-7/99	Celica II ST 202	105	
08/99-	Celica III	100	
87-92	Corolla EE90 L+K	105	
87-92	Corolla EE92 LTB	105	
92-97	Corolla KE 101 LTB	105	
97-	Corolla E11	100	
95-	Hi-Ace LH102	107/108	
8/97-	Hi-Lux	107/108	
8/96-98	Landcruiser HDJ90	100	
98-	Landcruiser HDJ100	100	
99-	Lexus RX 300	100	
4/99-	Lexus IS 200	100	
91-	MR2 Cp II	107/108	
90-00	Previa I	107/108	
00-	Previa II	100	
01-	Prius	100	
07/00	RAV4 III	100	
90-96	Starlet EP81	107/108	
96-	Starlet EP91	100	
99-	Yaris	100	
99-	Yaris Verso	100	
VOLVO			
88/99-97	440/460 L/Sth.	107/108	
92-/97-	850/S70/V70 L+K	107/108	
96-	S40/V40	105	
VW			
98-	Beetle	200	200
91-98	Golf III	100	
91-98	Golf III L+K		200
98-	Golf IV L+K		200
98-	Golf IV L+K		200
98-	Bora		200

YOC	MODELL	FRONT	REAR
VW (continued)			
97-	Lupo	200	200
92-96	Passat B4 K		200
98-	Passat B5 K		200
90-	PoloII+II L+Cp		200
95-00	Polo A03		200
95-00	Polo Classic 4trg.	107/108	
00-02	Polo A04		200
95-	Sharan	100	200
00-	Sharan		200
91-	Bus T4 alle	100	
USA-MODELLE			
99-	Chevrolet Alero	107/108	
94-97	Cadillac Seville STS	107/108	
93-	Camaro Coupé	100	
90-94	Chevrolet Lumina	105	
93-94	Chevr.SBlazer/Jimmy	105	
94-99	ChevrS10Blaz./Jimmy	107/108	
84-95	Chrysler Voyager II	105	105
96-	Chrysler Voyager III	100	
94-	Chrysler Vision	105	
98-	Chrysler 300 M	105	
95-99	Cirrus / Stratus	100	
95-99	Chrysler Neon	108	
00-	Chrysler Neon	107	
97-	DodgeDakote2DClub	107/108	
93-	JeepGrandCherokee	107/108	
97-	Jeep Wrangler	105	
90-	PontiacTrans/GMLum.	108	
BUSSE/WOHNMOBILE			
90-	DenOustenAlliance	107	
98-	Hymer S-Kl.	107	
91-	Frankia Pilote	107	

Legend: 100 = Art. UP-100B / 105 = Art. UP-105B(D) / 107 = Art. UP-107B(D) / 108 = Art. UP-108B / 200 = Art. UP-200
Cp = coupé / C = convertible / K = estate / L = limousine

No responsibility is taken for the corectness of this information!

- **GKP-100** — **Rubber Adhesive Pads Ø 10mm package of 10 pieces**
- **GKP-200** — **Rubber Adhesive Pads Ø 20mm package of 10 pieces**

- **KKP-130** — **Velcro Adhesive Pads Ø 13mm package of 10 pieces**
- **KKP-220** — **Velcro Adhesive Pads Ø 22mm package of 10 pieces**

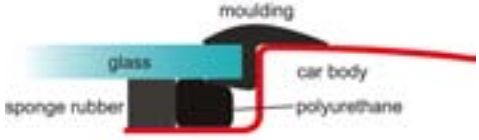
- **TMF-5545-3** — **Sponge Rubber Tape 5 x 5 mm, double-sided self-adhesive, 3 reels at 4,5 m**
- **TMF-5545-P** — **Sponge Rubber Tape 5 x 5 mm, double-sided self-adhesive, 12 reels at 4,5 m**

NEW

These tapes are used as a spacer between the car body and bonded windscreens, rear and side windows. At the same time they make a nice view from inside. The doublesided adhesive tapes also prevent a freshly installed glass from sliding.

- **TMB-5555-3** **Sponge Rubber Tape (Neoprene) 5 x 5 mm self-adhesive 3 Reels at 5,5 m**
- **TMB-5555-P** **Sponge Rubber Tape (Neoprene) 5 x 5 mm self-adhesive 12 Reels at 5,5 m**
- **TMB-6655-3** **Sponge Rubber Tape (Neoprene) 6 x 6 mm self-adhesive 3 Reels at 5,5 m**
- **TMB-6655-P** **Sponge Rubber Tape (Neoprene) 6 x 6 mm self-adhesive 12 Reels at 5,5 m**

Sponge Rubber Tapes are mandatory for many Asian cars and work as a spacer between car body and windscreen. At the same time they make a nice view from inside.



The high-quality neoprene sponge has a high density (small pores) and a rich dark colour.

- **TMC-5545-3** **Sponge Rubber Tape (PE) 5 x 5 mm self-adhesive 3 Reels at 4,5 m**
- **TMC-5545-P** **Sponge Rubber Tape (PE) 5 x 5 mm self-adhesive 12 Reels at 4,5 m**
- **TMC-6645-3** **Sponge Rubber Tape (PE) 6 x 6 mm self-adhesive 3 Reels at 4,5 m**
- **TMC-6645-P** **Sponge Rubber Tape (PE) 6 x 6 mm self-adhesive 12 Reels at 4,5 m**

The polyethylene (PE) sponge rubber tapes are used in the same way than the higher grade neoprene tapes.

The difference is the lower density of the PE sponge (bigger pores) and the lighter colour which is more like a dark grey than black.

- **TAC-1210** **Acrylic Tape transparent, 12 mm wide Reel at 10 m**
- **TAC-1910** **Acrylic Tape transparent, 19 mm wide Reel at 10 m**
- **TAC-2510** **Acrylic Tape transparent, 25 mm wide Reel at 10 m**
- **TAC-5005** **Acrylic Tape transparent, 50 mm wide Reel at 5 m**

The entirely transparent adhesive tape is 1.0 mm thick and has an extraordinary high tack, also ander high temperatures. It is virtually invisible! Most suitable for glass bondings if unobstrusive look is desired, e.g. for antennas and sensors.

- **TAB-0910** **Acrylic Tape black, 9 mm wide Reel at 10 m**
- **TAB-1210** **Acrylic Tape black, 12 mm wide Reel at 10 m**
- **TAB-1910** **Acrylic Tape black, 19 mm wide Reel at 10 m**
- **TAB-2510** **Acrylic Tape black, 25 mm wide Reel at 10 m**
- **TAB-5005** **Acrylic Tape black, 50 mm wide Reel at 5 m**

The deep black double-sided adhesive tape is 1.1 mm thick and has an extraordinary high tack, also ander high temperatures. It is suitable to bond e.g. antennas on glass, to fix trims and emblems or to attach linings.

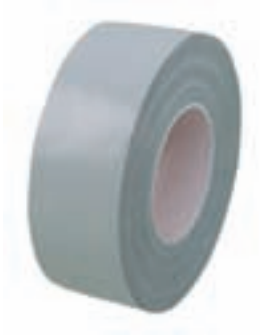
TF-0910 **Polyethylene Tape black, 9 mm wide Reel at 10 m**

TF-1210 **Polyethylene Tape black, 12 mm wide Reel at 10 m**

TF-1910 **Polyethylene Tape black, 19 mm wide Reel at 10 m**

TF-2510 **Polyethylene Tape black, 25 mm wide Reel at 10 m**

The dark-grey double-sided adhesive tape is 0.95 mm thick. It has very good final strength and is especially low-priced. It is most suitable to fix trims and for all other workings which use a lot of tape.



GTG-5050 **Woven Adhesive Tape, grey 50 mm wide, Reel at 50 m**

Very densely woven and strong adhesive tape to mask and protect all sensitive areas such as mudguard, bonnet edge, A-pillar and roof edge, while cutting out a glass with wires or hand knives. This tape is removable without any residue and it does not corrode the surface of e.g. varnish, rubber or plastic. Therefore this tape is also great to fix freshly bonded glasses to prevent them from sliding.

STG-3850 **Woven Adhesive Tape black 38 mm wide, Reel at 50 m**

STG-5050 **Woven Adhesive Tape black 50 mm wide, Reel at 50 m**

Very densely woven and strong adhesive tape to mask and protect all sensitive areas such as mudguard, bonnet edge, A-pillar and roof edge, while cutting out a glass with wires or hand knives.

- **SFT-1025** **Clear Protective Film, 100 mm wide**
- **SFT-1525** **Clear Protective Film, 150 mm wide**
- **SFT-2025** **Clear Protective Film, 200 mm wide**
- **SFT-2525** **Clear Protective Film, 250 mm wide**
- **SFT-3025** **Clear Protective Film, 300 mm wide**

NEW

This self-adhesive clear polyurethane foil has a smooth and glossy surface. It has been developed as a stone-chipping protection for painted car body parts.

Thanks to the extreme elongation the film can be applied wrinkle-free to strongly curved parts, e. g. like the housing of a side mirror. All painted surfaces like fenders, hoods or side mirrors can be protected against stone-chipping by applying this almost invisible film.

Technical data:
- Film thickness: 200 µm
- Elongation: 700 %
- Temperature resistance: -40 to +120°C
- Durability: 7-10 years
- Delivery form: 2,5 m on cardboard reel (inside-Ø 76 mm)

- **SFS-1550** **Black Protective Film, 150 mm wide**

NEW

This self-adhesive black protective foil has a medium structured surface. It is suited for covering B-pillars or door frames, as a stoneguard body protection or to protect the trunk sill.

Technical data:
- Film thickness: 150 µm
- Temperature resistance: -40 to +90°C
- Durability: 7-10 years
- Delivery form: 5 m on cardboard reel (inside-Ø 76 mm)

PES-2500 **PE Protection Foil, self-adhesive, 82cm wide pro-reel at 25 m**

PES-0165 **PE Protection Foil, self-adhesive, 82cm wide reel at 1,65 m, for one application**

This foil is a temporarily substitute for damaged side or rear windows, to keep the vehicle mobile. The small reel is an ideal companion for longer journeys. It should be always carried along, in case a toughened safety glass window might be damaged by accident or burglary.

The self-adhesive, transparent PE foil is easy to attach. The bonding film is very strong and allows tight stretching when fixing. This fact reduces driving noise to a minimum. Crinklefree mounting assures that the vehicle will stand even a heavier rain shower.

Even after several days, it will not be a problem to remove the foil. Possible residues can be easily removed with the eraser disc KRS-1588.

PMS-3000 **Window Guard™ PE Protection Foil, self-adhesive, perforated, 91 cm wide, reel at 30 m**

The protection foil is a temporarily substitue for damaged side or rear windows and keeps your vehicle mobile that way.

Window Guard™ is a clear PE foil with a high level of transparency. Due to the perforation it is especially easy to attach. The bonding film is very strong and allows tight stretching when fixing. This fact reduces driving noise to a minimum. Crinkle-free mounting assures that the vehicle will stand even a heavier rain shower.

Even after several days, it will not be a problem to remove the foil without residues.

KRS-1588

Eraser Disk
to erase residues of adhesives

With this eraser disk all residues of adhesives can be removed absolutely effortlessly from car varnish or other surfaces. Just insert it to the cordless drill and erase glue residues.

TPO-3833

Fixing Tape orange, perforated,
38 mm wide, reel at 33 m

TPO-7691

Fixing Tape orange, perforated,
76 mm wide, reel at 91 m

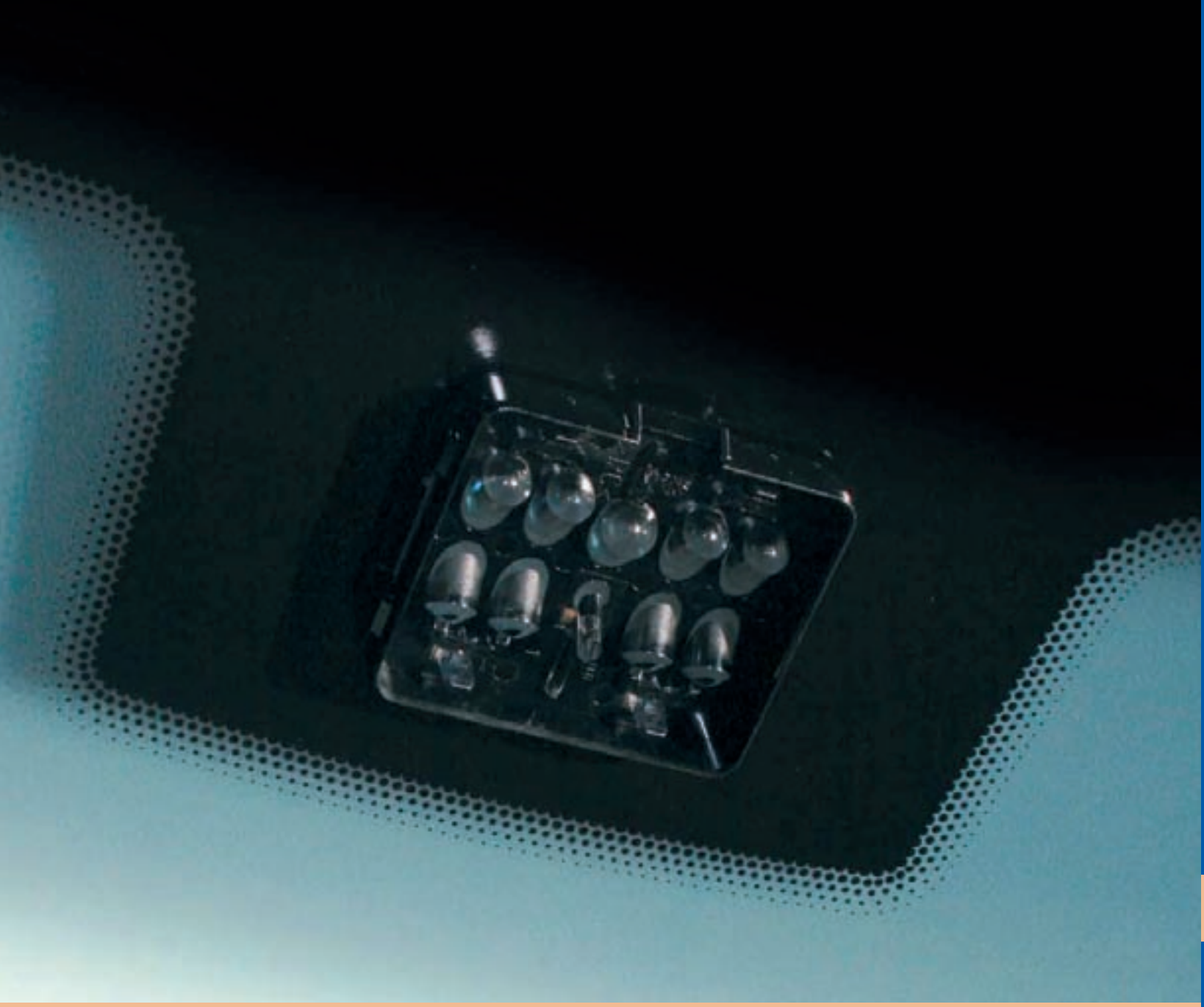
Especially designed to fix trims, to keep freshly bonded glasses from sliding and to mask the corners of a glass during storage and transport to prevent scratching. Thanks to the perforation (every 15 cm) this tape is very easy to portion from the reel.

The most important thing hereby is:
This tape is removable without any residue and it does not corrode the surface of e.g. varnish, rubber or plastic.

TPE-6336

Edge Protector Tape orange, perforated,
63 mm wide, reel at 36 m

This new type of adhesive tape has been designed especially to mask the glass edges to avoid damages during storage and transport. The middle part of the band does not carry any adhesive. That way it can be applicated more easily on curved edges and, what is even more important, it can also be removed much easier than normal adhesive tapes.



12 SENSOR TECHNOLOGY

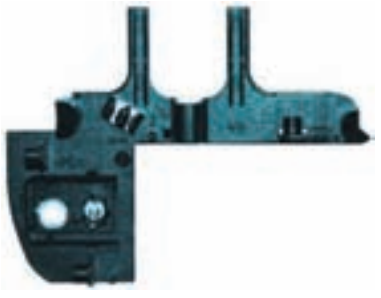
Rain-, Light- and Air Con Sensors in best quality from OE manufacturers

The basic version of more and more vehicles is already equipped with a rain or light sensor. BMW additionally uses an anti-fogging sensor since 2003 which controls the air conditioning system. Indeed it is possible in most cases to transfer the optical unit from the old to the new windscreen, but therefore the adhesive pad - means the crystal clear bond between optical unit and windscreen - has to be renewed. Depending on the model, this can be very time consuming. It is faster and easier to use a new optical unit.

To ensure a faultless function of the extensive controlling electronics you should solely use genuine parts. Reproductions which you can find on the market can eventually lead to installation problems or even malfunction.

SOR-199 Rain Sensor for Alfa Romeo, BMW, MB, Rover

Vehicle Type	Eurocode	YOC
Alfa 147	2037	2001 -
Alfa 166	2036	1998 -
BMW E38	2433	1994 - 2001
BMW E39	2434	12/1995 - 09/2001
BMW E46 Lim./Coupé	2436	1998 - 09/2001
BMW E53 X5	2439	04/2000 - 09/2001
MB W129 SL	5331	1989 - 2001
MB W140 S-Class	5333	1991 - 1998
MB W202 C-Class	5334	03/1993 - 05/2000
MB W203 C-Class	5351	05/2000 - 04/2003
MB W203 Sport Coupé	5352	03/2001 - 06/2003
MB W208 CLK	5341	1997 - 2002
MB W210 E-Class	5337	1995 - 2002
MB W215 CL	5345	03/1999 -
MB W220 S-Class	5344	1998 - 08/2002
Rover 75	7035	06/1999 - 01/2004



SOL-198 Base Plate with Light Sensor for MB W203 C-Class

Vehicle Type	Eurocode	YOC
MB W203 C-Class	5351	05/2000 - 04/2003

SPL-801 Cover Plate for MB W203 C-Class

Vehicle Type	Eurocode	YOC
MB W203 C-Class	5351	05/2000 - 04/2003

SOL-197A Light and Rain Sensor for MB

Vehicle Type	Eurocode	YOC
MB W203 C-Class	5351	05/2003 -
MB W203 Sport Coupé	5352	07/2003 -
MB W209 Coupé	5353	2002 -
MB W209 Convertible	5353	2003 -
MB W211 E-Class	5347	2002 -
MB W220 S-Class	5344	09/2002

SOL-197B Light Sensor for MB W203 C-Class

Vehicle Type	Eurocode	YOC
MB W203 C-Class	5351	05/2003 -

SPL-808 Base Plate for MB

Vehicle Type	Eurocode	YOC
MB W203 C-Class	5351	05/2003 -
MB W203 Sport Coupé	5352	07/2003 -
MB W209 Coupé	5353	2002 -
MB W209 Convertible	5353	2003 -

SOL-803 Light Sensor for MB

Vehicle Type	Eurocode	YOC
MB W215 Coupé	5345	03/1999 -
MB W220 S-Class	5344	10/1998 - 08/2002

SKA-502 Anti-Fogging Sensor for BMW

Vehicle Type	Eurocode	YOC
BMW E60/E61 5-er	2445	2003 -
BMW E63/E64 6-er	2446	2004 -
BMW E65 7-er	2443	2003 -
BMW E87 1-er	2448	2004 -
BMW E90 3-er	2447	2005 -

SKA-502M Fit-Up Aid for BMW Anti-Fogging Sensor

Vehicle Type	Eurocode	YOC
BMW E60 5-er	2445	2003 -
BMW E63/64 6-er	2446	2004 -
BMW E65 7-er	2443	2003 -
BMW E87 1-er	2448	2004 -
BMW E90 3-er	2447	2005 -

SOL-192A Light and Rain Sensor without electronic component

Vehicle Type	Eurocode	YOC
MB BM639 V-Class	5438	09/2003 -
MB W168 A-Class	5342	05/2001 -
Smart ForTwo	5368	01/2007 -
Renault Scénic / Grand Scénic	7257	06/2003 -
Renault Modus	7263	07/2004 -
Nissan Micra K12	6011	02/2003 -

SOL-192A-R Retainer for SOL-192A

SOL-192C Light and Rain Sensor for BMW and Renault

Vehicle Type	Eurocode	YOC
BMW E60/E61 5-er	2445	04/2007 -
BMW E70 X5	2452	02/2007 -
Renault Mégane II	-	10/2007 -
Renault Kangoo II	7474	2008 -
Renault Laguna III	7273	2008 -

SOL-192D Light and Rain Sensor for Fiat, MB, VW

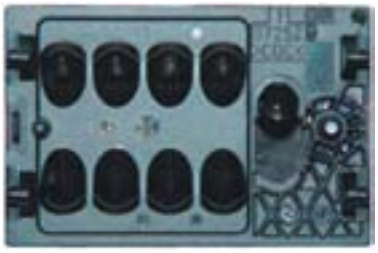
Vehicle Type	Eurocode	YOC
Fiat Ducato III	3750	07/2006 -
MB BM906 Sprinter	5439	06/2006 -
VW Crafter	8590	04/2006 -

SOL-189 Light and Rain Sensor for MB W204 C-Class

Vehicle Type	Eurocode	YOC
MB W204 C-Class	5364	04/2007 -

SOL-193A Light and Rain Sensor for BMW and Mazda

Vehicle Type	Eurocode	YOC
BMW E39 5-er Limousine	2434	09/2001 - 06/2003
BMW E39/2 5-er Touring	2434	09/2000 - 02/2004
BMW E46/2 3-er Coupé	2437	01/1999 - 05/2006
BMW E46/2C 3-er Convertible	2437	12/1999 - 11/2006
BMW E46/3 3-er Touring	2436	06/1999 - 08/2005
BMW E46/4 3-er Limousine	2436	01/1998 - 03/2005
BMW E53 X5 - SUV Offroad	2439	09/2001 - 11/2006
BMW E65 7-er	2443	10/2001 - 03/2003
BMW E83 X3 - SUV Offroad	2449	09/2003 - 08/2007
Mazda 2 (J37L)	5173	2007 -
Mazda 3 (J48C)	5166	2003 -
Mazda 6 (J50C)	5164	2005 -



SOL-193C Light and Rain Sensor for BMW

Vehicle Type	Eurocode	YOC
BMW E46 Compact	2442	06/2001 - 08/2001
BMW E60 5-er Limousine	2445	03/2003 -
BMW E61 5-er Touring	2445	03/2004 -
BMW E63 6-er Coupé	2446	09/2003 -
BMW E64 6-er Convertible	2446	12/2003 -
BMW E87 1-er Limousine	2448	06/2004 -
BMW E90 3-er Limousine	2447	12/2004 -
BMW E91 3-er Touring	2447	06/2005 -
BMW E92 3-er Coupé	2454	06/2006 -
BMW E93 3-er Convertible	2450	12/2006 -
BMW Z85 Z4 Roadster	2444	02/2003 -
BMW Z85 Z4 Coupé	2453	03/2006 -

SOL-193B Light and Rain Sensor for BMW / Mini

Vehicle Type	Eurocode	YOC
BMW R50 Mini Coupé One, Cooper	2440	07/2004 -
BMW R52 Mini Convertible	2440	04/2004 -
BMW R53 Mini Coupé, Cooper S		07/2004 -

SOL-193D Light and Rain Sensor for MB

Vehicle Type	Eurocode	YOC
MB W163 M-Class	5343	10/2000 - 06/2005

SOL-193E Light and Rain Sensor for MB

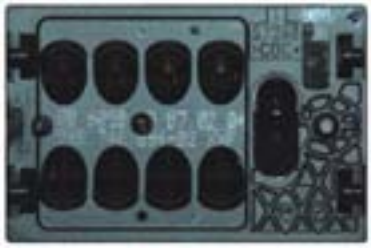
Vehicle Type	Eurocode	YOC
MB W164 M-Class / GL-Class	5361	07/2005 -
MB W251 R-Class	5363	10/2005 -

SOL-193F Light and Rain Sensor for Chrysler

Vehicle Type	Eurocode	YOC
Chrysler LX Pacifica	-	01/2008 -
Chrysler Dodge Liberty	-	07/2007 -
Chrysler Chrysler 300 N	-	01/2004 -
Chrysler WH (Jeep Grand Cherokee)	AJ10	04/2004 -

SOL-193G Light and Rain Sensor for Land Rover

Vehicle Type	Eurocode	YOC
		Land Rover L317
Defender Successor	-	2008 -
Land Rover L319 Discovery 3 (LR3)	7032	2004 -
Land Rover L320 Baby Range Rover	-	2005 -
Land Rover L322 FaceLift	-	2007 -



SOL-193H Light and Rain Sensor for Peugeot

Vehicle Type	Eurocode	YOC
Peugeot 206	6539	07/2001 -
Peugeot 206CC	6545	03/2001 -

SOL-193J Light and Rain Sensor for Citroen C3 Lim.

Vehicle Type	Eurocode	YOC
Citroen C3 Lim.	2726	02/2002 -

Replacement Adhesive Pads for rain/photosensor

For more and more vehicles a rain or photosensor is already part of the standard equipment. When exchanging a windscreen, the optical unit of the sensor is also often being replaced, though it is not necessary. Our special adhesive pads, made of entirely transparent, self-adhesive material, enable you to reuse the optical unit.

How to proceed:
First remove the optical unit carefully from the glass with an installation stick or a sensor removal tool. As most of the optical units are made of plastic, they must not get in contact with solvent based cleaners. It is best to peel off the remaining glue with the fingers. For the final cleaning, use a cleaner that evaporates without residue and does not corrode the plastic, e.g. Primer/Cleaner HRS-100. Now first stick on the adhesive pad to the optical unit and then the whole part to the windscreen. For bubble-free, perfect results use our applicator KPA-250.

Adhesive Pad, Light-/Rain Sensor for Audi, Opel, Seat, Toyota
Dimensions: 27 x 32,5 x 1,5 mm

- **KPL-190** Package at 5 Pieces
- **KPL-190-1** Package at 1 Piece

Adhesive Pad, Light-/Rain Sensor BMW 5er/X5, MB misc., Nissan Micra K12, Renault misc., Ducato/Sprinter/Crafter
Dimensions: Ø 43 x 2,0 mm

- **KPL-192** Package at 5 Pieces
- **KPL-192-1** Package at 1 Piece

Adhesive Pad, Light-/Rain Sensor BMW (all models from 09/01), Chrysler, Citroen C3, Land Rover, MB W163/W164/W251, Mini
Dimensions: 55 x 33 x 1,5 mm

- **KPL-193** Package at 5 Pieces
- **KPL-193-1** Package at 1 Piece

Adhesive Pad, Light-/Rain Sensor
DB E-Class/CLK from ‘02, C-/S-Class from ‘03
Dimensions: 70 x 42 x 1,5 mm

- **KPL-197** Package at 5 Pieces
- **KPL-197-1** Package at 1 Piece

Adhesive Pad for Lightsensor
DB W203 until ‘03
Dimensions: 50 x 41,5 x 1,5 mm (34 x 12,5 x 1,5 mm)

- **KPL-198** Package at 5 Pieces
- **KPL-198-1** Package at 1 Piece

Adhesive Pad for Rain Sensor
Alfa Romeo, BMW, DB, Rover
Dimensions: 56 x 31 x 1,5 mm

- **KPR-199** Package at 5 Pieces
- **KPR-199-1** Package at 1 Piece

Adhesive Pad for Rain Sensor
Alfa, Citroen, Fiat, MB (A-Class, Sprinter), Peugeot
Dimensions: Ø 27 x 1,5 mm

- **KPR-191** Package at 5 Pieces
- **KPR-191-1** Package at 1 Piece

Adhesive Pad for Rain Sensor
Volkswagen Group until YOC 98 (1,0 mm thick)
Dimensions: Ø 28 x 1,0 mm

- **KPR-194** Package at 5 Pieces
- **KPR-194-1** Package at 1 Piece

Adhesive Pad for Rain Sensor
Volkswagen Group, new Edition (1,5 mm thick)
Dimensions: Ø 28 x 1,5 mm

- **KPR-195** Package at 5 Pieces
- **KPR-195-1** Package at 1 Piece

Adhesive Pad for Rain Sensor
Daewoo, Honda, Hyandai, Kia, Nissan
Dimensions: 60 x 35 x 1,0 mm

- **KPR-196** Package at 5 Pieces
- **KPR-196-1** Package at 1 Piece

Adhesive Pad for Toll Collect Devices
Dimensions: 52 x 37 x 0,8 mm

- **KPM-3752** Package at 5 Pieces
- **KPM-3752-1** Package at 1 Piece

Toll Collect DSRC Adhesive Pad
Dimensions: 64 x 44 mm

- **KPM-4464** Package at 5 Pieces
- **KPM-4464-1** Package at 1 Piece

NEW

The double-sided adhesive pad is needed to properly remount the DSRC device if a windscreen has been exchanged.

- **KPA-250**

Applicator for Adhesive Pad and Acrylic Tapes
Spray bottle at 250 ml

The applicator helps you to avoid air locks when sticking on sensor pads and adhesive tapes with acrylic adhesive (all items of our range with an item number starting with KPR-, KPL-, TAC-, TAB-).

Use the liquid applicator on one side only and it lets you press out all air locks with ease. Also it enables you to correct theposition after sticking a sensor to the glass. The product volatilises within a few minutes and does not affect the adhesion. Posible residue can be wiped off with cleaning paper.

SLW-193 **Sensor Removal Tool for BMW, all models from 09/01**

SLW-197 **Sensor Removal Tool for DB E-Class/CLK from ‘02, C-/S-Class from ‘03**

SLW-199 **Sensor Removal Tool for Alfa Romeo, BMW, DB, Rover**

Deinstallation of an optical sensor from a windscreen can be very difficult if adhesion is extensive. Using to much power with a plastic wedge, the optical unit can break. Therefore we recommend these special tools which clasp the optical sensor and enable to turn it off sidewards.

TIP:
Warming the windscreen with a blow-dryer facilitates peeling off the adhesion from the glass

13 WINDSCREEN REPAIR & SCRATCH REMOVAL

WSR-100 **ProGlass Windscreen Repair Kit for stationery use**

WSR-100-A **ProGlass Windscreen Repair Kit for mobile use**

NEW

Simple and economic repair system for the professional windscreen repair. The system WSR-100 is distinguished for businesses with a lower repair volume or as a second system.In this system the pressure and vacuum needed to perform a repair is produced by screwing the plastic injector's piston in and out.

The simple construction of the whole system ensures a safe and easy operation. Thanks to the high-quality and extremely thin ProGlass Repair Resin even finest cracks can be repaired. The system can also be used to repair damages with a finely smashed or very dirty point of impact because an electric mini drill is also included.

Kit contains:

- ProGlass Repair Fixture (WSR-100-1)
- Inspection Mirror with Sucker (MC-500)
- UV Lamp 6W, 230V (UVN-200) or 12V (UVA-200)
- Mini Drill, 230 V (BM-120) or 12V (BM-120-A)
- Carbide Probe (CP-5040)
- Cracker (CRK-109)
- Pen Light (PF-216), batteries included
- Lighter, childproof (FZ-8326)
- Accessory box with following contents:
  - 2 Plastic Injectors (INJ-M14-F)
  - 1 Repair Resin, 5 ml (VR-505)
  - 1 Pit Filler Resin, 5 ml (VR-405)
  - 20 Mylar Squares (MR-300)
  - 10 Scraper Blades (RK-10)
  - 1 Carbide Drill Bit, tapered 1.0 mm (KMB-105-1)
  - 1 Carbide Drill Bit, round 1.2 mm (KMK-120-1)
- Detailed instruction manual
- Rugged Plastic Case 450 x 360 x 106 mm with rigid foam lining

WSR-100-1 Repair Fixture for WSR-100

NEW

Injector holder made of aluminium with two suckers made of PVC (Ø 37 mm). For the simple and safe positioning of the injector over the point of impact. Comes with one injector INJM14-F.

INJ-M14-F Injector for Windscreen Repair

Well-priced injector for the ProGlass WSR-100 Windscreen Repair Kit. Compatible with many repair systems on the market like for example Duobond, PMA or Talon.
(metric fine thread: M12x1,25)

VR-505 Repair Resin, extra thin dropper bottle of 5ml

Extra thin repair resin, excellent crack filler

Viscosity at 25°C: 10-20 mPa*s
Shore hardness: D75

VR-405 Pit Filler Resin, thin dropper bottle of 5ml

More fluid pit filler for a hard and shiny finish

Viscosity 25°C: 90-100 mPa*s
Shore hardness: D80

WSR-150-N **Professional Windscreen Repair Kit for stationery use**

WSR-150-A **Professional Windscreen Repair Kit for mobile use**

This professional windscreen repair kit is a result of our longtime experience in windscreen repair. It contains all components necessary for professional work and for optimum results. Almost no other system is as completely equipped as this kit. And more - the price is remarkably favorable - do not hesitate to compare the contents to systems of other suppliers.

The stationary case includes a mains operated UV lamp, the mobile case already includes the 12V version that connects with a cigarette lighter or vehicle power outlet.

Besides the large range of tool components, the case also includes all consumables for at least 20 repairs. Each item can be bought later, separately and at fair prices.

- High-quality and long-life components
- Very complete professional case for all kinds of stonechips
- All components and consumables also availableseparately
- Video guidance and detailed instruction manual included

WSR-150-P

Kit Contains:

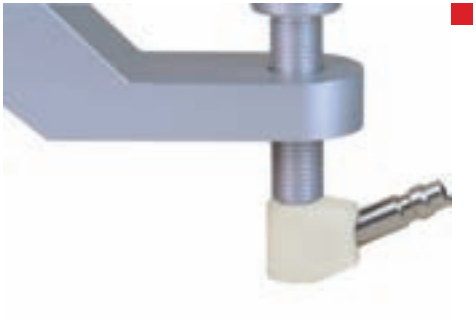
- ProGlass Repair Fixture (WSR-150-1N)
- Resin Chamber small, 3/16 inch (WSR-150-2N)
- Connection Hose (WSR-150-3)
- Pressure/Vacuum Pump (WSR-150-5)
- Inspection Mirror with Sucker (MC-500)
- UV Lamp 8W, 230V/50Hz (UVN-300)
  or UV Lamp 8W, 12V (UVA-300)
- Cordless Mini Drill 9.6V (AM-961)
- Carbide Probe (CP-5040)
- Cracker (CRK-109)
- Pen Light (PF-216) batteries included
- Lighter, childproof (FZ-8326)
- 1 Repair Resin, 15 ml (VR-515)
- 1 Pit Filler Resin, 15 ml (VR-415)
- 1 Glass Repair Polish, 25 ml (SP-025)
- Accessory Box contains:
  - 3 Syringes (1942)
  - 3 Cannulas (2496)
  - 20 Mylar Squares (MR-300)
  - 10 Scraper Blades (RK-10)
  - 5 Injector O-seals 3/16 inch (DR-475)
  - 1 Carbide Drill Bit, tapered 0,8 mm (KMB-085-1)
  - 1 Carbide Drill Bit, tapered 1,0 mm (KMB-105-1)
  - 1 Carbide Drill Bit, round 1,0 mm (KMK-110-1)
  - 1 Carbide Drill Bit, round 1,2 mm (KMK-120-1)
  - 1 Diamond Drill Bit, flame shaped (KMD-180-1)
  - Grinding and Polishing Kit, 12 pieces (SPS-012)
  - Bull's-Eye Maker (SSK-790)
- Instructional video (CD-ROM)
- Detailed instruction manual
- Advertising poster
  (actually only for A, CH, D) (WSR-150-P)
- Rugged Plastic Case 500 x 420 x 125 mm

WSR-150-1N

Pro-Series Windscreen Repair Fixture (without injector!)

The 125 mm big sucker of the fixture is mounted to the glass securely by pushing the pump plunger only a few times (optical control through red safety ring on the pump). The solid light alloy arm is movable and swivelling so that the resin chamber can be adjusted over the impact point easily and very precisely.

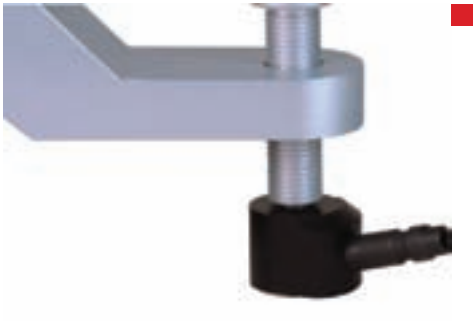
By turning the screw downward the resin chamber will become vacuum-sealed to the glass. Thanks to the spherical seat the resin chamber will align itself at right angle over the impact point. This guarantees that the seal does not impose more pressure upon the glass than necessary.



WSR-150-2N

ProGlass Resin Chamber, 3/16” for all standard repairs

The seal of this chamber has an inside Ø of 4,75 mm. It is dedicated to perform all standard repairs with an impact no bigger than 5 mm. The chamber can be used for repairs on all flat and vertical glasses.



WSR-150-6N

ProGlass Resin Chamber, 3/8” for the repair of large damages

The seal of this chamber has an inside Ø of 9.5 mm. It is suitable for large stone chips as could be found at commercial vehicles or busses. Due to its extra large size, it is also applicable for two impact points close to each other. The chamber can be used for repairs on all flat and vertical glasses.

WSR-150-3 **Connection Hose**

Hose connects pressure/vacuum pump with resin chamber. It is also compatible to the AEGIS repair system, sold through us in the past.

WSR-150-5 **Pressure/vacuum pump for WSR-150**

The pressure/vacuum pump is part of our ProGlass Professional Windscreen Repair Kit WSR-150. But it can also be used with other systems (e.g. AEGIS, Würth)

RF-050 **Refill Kit for WSR-150 sufficient for at least 50 repairs**

Kit contains:
- 2 Repair resin (VR-515)
- 1 Pit Filler Resin (VR-415)
- 2 Injector o-seals, see DR-475
- 10 Scraper blades (RK-10)
- 50 Mylar squares (MR-300)
- 4 Syringes (1942)
- 2 Cannulas (2496)

RS-2030

Resin Dispensing Pack

Pack consists of 6 syringes 1942 and 3 cannulas 2496 for the professional windscreen repair kit.

1942

Syringe (polypropylene)

Multi-purpose syringe made of polypropylene for exact dosage of resin.

2496

Cannula 2,0 x 70 mm

Multi-purpose cannula made of stainless steel with an edgeless tip.

FZ-8326

Cigarette lighter "ProGlass", blue

Child-proof and refillable cigarette lighter.

VR-515

Repair Resin, low viscosity
dropper bottle of 15ml

Extra thin repair resin, excellent crack fille

Viscosity at 25°C: 10-20 mPa*s
Shore hardness: D75

VR-415

Pit Filler Resin, thin
dropper bottle of 15ml

More fluid pit filler for a hard and shiny finish

Viscosity 25°C: 90-100 mPa*s
Shore hardness: D80

DR-475

Injector O-seals, package of 5 pieces

Package of 5 injector o-seals (small) for windscreen repair kit WSR-150.

Inside-Ø approx.. 4,5 mm, Outside-Ø approx. 9,75 mm

DR-950

Injector O-seals, package of 5 pieces

Package of 5 injector o-seals (large) for the large resin chamber for windscreen repair kit WSR-150.

Inside-Ø approx.. 9,0 mm, Outside-Ø approx. 16,0 mm

UV-528

Glass Star Windscreen Repair Kit

This system does not need a repair fixture. Instead it uses a pedestal that is bonded directly over the point of impact and that works as the resin chamber.

Kit contains:
- 2 Injectors (INJ-581)
- 2 Connection Hoses (H-538)
- 1 UV Lamp (batteries included)
- 2 Flow Regulators
- 1 Cure Guard
- 1 Carbide Probe
- 18 Pedestals (as P-536)
- 18 Adhesive Pads (as AS-537)
- 1 Repair Resin, extra thin (VR-505)
- 1 Pit Filler, thin (VR-405)
- 1 Scraper with blade
- 20 Mylar Squares
- 1 Buffing Compound
- 1 User Manual

P-536

Pedestal for UV-528, package of 25 pieces

The pedestals are self-adhesive and usable several times.

Only the adhesive pad has to be exchanged after each application.

AS-537

Adhesive pads for UV-528, package of 25 pieces

Use these adhesive pads to renew the pedestals and as an addtitional adjustment for repairings on strongly curved glasses.

VR-505 **Repair Resin, extra thin, dropper bottle of 5ml**

VR-515 **Repair Resin, extra thin, dropper bottle of 15ml**

Extra thin repair resin,
excellent crack fille
Viscosity at 25°C: 10-20 mPa*s
Shore hardness: D75

VR-305 **Repair Resin, thin, dropper bottle of 5ml**

VR-315 **Repair Resin, thin, dropper bottle of 15ml**

Thin repair resin for all types of stone chips
Viscosity at 25°C: 20-30 mPa*s
Shore hardness: D76

VR-105 **Repair Resin, standard, dropper bottle of 5ml**

VR-115 **Repair Resin, standard, dropper bottle of 15ml**

Standard repair resin for bull's eyes
Viscosity at 25°C: 40-45 mPa*s
Shore hardness: D75

VR-405 **Pit Filler Resin, thin, dropper bottle of 5ml**

VR-415 **Pit Filler Resin, thin, dropper bottle of 15ml**

More fluid pit filler for a hard and shiny finish
Viscosity 25°C: 90-100 mPa*s
Shore hardness: D80

VR-205 **Pit Filler Resin, standard, dropper bottle of 5ml**

VR-215 **Pit Filler Resin, standard, dropper bottle of 15ml**

Highly viscous pit filler for a hard finish
Viscosity at 25°C: 300 mPa*s
Shore hardness: D78

MR-300

Mylar squares, package of 20 pieces

Squares (approx. 25 x 25 mm) made of transparent mylar foil to cover the repaired area during UV irradiation.

RK-10

Razor blades for laminated glass repair, package of 10

Top quality industrial blades with a solid metal back. Each blade has a single paper wrapping in the box/bag to prevent you from injuries.

SP-025

Glass Repair Polish for laminated glass repair, bottle at 25 ml

Apply polish on repaired place and polish it by hand or with the mini drill until it is smooth and shiny.

SSK-790

Bulls Eye Maker

The bulls eye maker is used to create stone chips on an old windscreen. Like this, repairing technique can be trained in a test environment instead on your clients windscreen!

DRB-140

Aluminium Bridge

With the aluminium bridge a constant counter pressure from the inside of the windscreen can be generated. Thereby the repair result e.g. of longer cracks, can be influenced very positively. A highly expedient enlargement for each windscreen repair kit.

MC-500

Inspection Mirror with sucker

The mirror has a diameter of 50 mm. With the small PVC sucker it can be fixed on any plain surface. Sucker and mirror are connected with a ball joint. Sticked to the windscreen from inside it is the perfect helper for windscreen repairs.

CP-5040

Carbide Probe

Probe with carbide tip to clean the impact point and to remove loose glass particles before repairing.

CRK-109

Cracker

This small cracker is appropriate to easen repairings of stone chips by widening them slightly. Therefore the resin can enter better, respectively the air can escape easier. Handling should be trained on an old windscreen first.

WZA-4022

Tool Tray made of rigid-foam

Everything needed for windscreen repairing will fit into this tool tray. This way you will always have any small parts ready to hand and safely stored at your workplace.

The rigid-foam offers a soft surface that will not scratch the point and is non-slipping so that the tray will safely stay on the bonnet.

WSR-150-P

Poster DIN A1
(59,4 x 84,1 cm)

Poster DIN A1 size that shows some typical stone chips. Placed in your sales room, it will draw your clients attention on it and makes an easy start for a sales conversation about stone chip repairing.

Sorry - actually only available in German language!

SPF-050-D **Windscreen Band-Aid, German**
Package at 50 Pieces

SPF-050-E **Windscreen Band-Aid, English**
Package at 50 Pieces

SPF-050-F **Windscreen Band-Aid, French**
Package at 50 Pieces

The windscreen band-aid is a cost-efficient give away. Many bigger companies in our business have been using it successfully for quite a long time.

Make sure to get your part of the windscreen repair business and hand out the windscreen band-aid to as many as possible of your clients.

The front side is neutral and refers to the specialist mentioned at the back side. At the back side you can attach a printed address label or put on your company stamp.

SPF-050-IND **Windscreen Band-Aid, designed individually**

Starting from 1.000 pieces we print your individually designed windscreen band-aid!

Benefit from this handy promotional item as your business card and the perfect advertising medium for your auto glass business!

The front side gives some general information about windscreen repair. The peelable band-aid (red ring) will be printed with your company name and phone number. The reverse side can be designed completely to your wishes. If you want to include a company logo or if you already have an artwork (e.g. your business card), please send us these files in a common file format, best by e-mail.

To offer you the best prices this product is produced in combination with orders from other customers. This means that we collect the orders and print them together periodically.

AM-961

Cordless Mini Drill 9,6 V with charging unit, collet set and polishing set

- Allround tool for drilling, grinding and polishing
- A handy and powerful tool
- Continuously adjustable from 8,000 - 20,000 r.p.m.
- Exchangeable battery pack 9.6 V
- 4 collets for the use of different tools
- Tool weight incl. battery: 0.300 kg

AM-961-1

Collet Kit, in 4 parts for AM-961 / AM-961-X

Suitable for all mini drills with a 5.0 mm chuck. The collets suit for tools with a shaft diameter of 0.8 mm, 1.6 mm, 2.4 mm and 3.2 mm.

AM-961-BP

Rechargeable battery for AM-961/-X

Technical data:
- Battery type: NiCd
- Voltage: 9.6V
- Capacity: 700 mAh

AM-961-X

Cordless Mini Drill 9,6 V with charging unit, collet set and polishing set

- Allround tool for drilling, grinding and polishing
- A handy and powerful tool
- Continuously adjustable from 8,000 - 20,000 r.p.m.
- Exchangeable battery pack 9.6 V
- 4 collets for the use of different tools
- Tool weight incl. battery: 0.300 kg
- Charger with interchangeable plugs (EU, GB, US, AUS)

AM-961-LG

Charger for AM-961

Technical data:
- Input: 230V/50Hz AC
- Output: 12V/500mA DC

AM-961-LGX

Charger for AM-961-X

Technical data:
- Input: 110-230V/50Hz AC
- Output: 12V/500mA DC
- with interchangeable plugs (EU, GB, USA, AUS)

BM-120

Mini Drill 12 V with EURO adaptor (230 V / 50 Hz) incl. collet kit and a grinding and polishing set in 12 parts

- Applicable for drilling, grinding and polishing
- Handy tool,10,000 r.p.m.
- Delivered with 5 different collets (diameter from 0.8 - 3.2 mm)
- Tool weight: 0.110 kg

BM-120-A

NEW

Mini Drill (for mobile use) incl. collet kit and a grinding and polishing set in 12 parts

- Applicable for drilling, grinding and polishing
- Handy tool,10,000 r.p.m.
- Delivered with 5 different collets (diameter from 0.8 - 3.2 mm)
- Connects with vehicle's power outlet/cigarette lighter (voltage rating: 12V DC)
- Tool weight: 0.110 kg

BM-120-1

Collets Kit for BM-120

Suitable for all mini drills with a 5.5 mm chuck.

The collets suit for tools with a shaft diameter of 0.8 mm, 1.2 mm, 1.8 mm, 2.4 mm and 3.2 mm.

KMD-180

Diamond Drill Bits, flame shaped Ø1.8 mm Package at 5 Pieces

KMD-180-1

Diamond Drill Bit, flame shaped Ø 1.8 mm single

KMB-085	Carbide Drill Bits, tapered Ø 0.8 mm Package at 10 Pieces
KMB-085-1	Carbide Drill Bit, tapered Ø 0.8 mm single

KMB-105	Carbide Drill Bits, tapered Ø 1.0 mm Package at 10 Pieces
KMB-105-1	Carbide Drill Bit, tapered Ø 1.0 mm single

KMK-110	Carbide Drill Bits, round Ø 1.0 mm Package at 10 Pieces
KMK-110-1	Carbide Drill Bit, round Ø 1.0 mm single

KMK-120	Carbide Drill Bits, round Ø 1.2 mm Package at 10 Pieces
KMK-120-1	Carbide Drill Bit, round Ø 1.2 mm single

FPS-005

Polishing Kit in 5 parts for mini drills

NEW

Kit contains:
- 5 felt polishing wheels Ø 20 x 7 mm
- 1 wheel post

SPS-012

Grinding and Polishing Kit for mini drills, 12 pieces

A kit for the mini drill that complies with the requirements of car glass glaziers. Grinding adaptors to remove little corrosion spots and polishing adapters to polish stone chip repairings.

Scope of delivery: see figure!

UVB-150

UV Battery Lamp 4W

Simple UV lamp with plastic suction cup to fix on the glass. (requires 4 batteries 1.5V, type AA)

UVB-150T

UV Battery Lamp 4W and Torch

UV lamp with plastic suction cup to fix on the glass, connector for mains adapter (suitable mains adapter NT-500DC) and integrated torch.

(requires 4 batteries 1.5V, type AA)

LR-150

Replacement Tube 4W BLB for UVB-150 / UVB-150T

Dimensions:
- Length: 133 mm
- Diameter: 16 mm

BA-MIGNON

Alkaline Battery 1.5V, type AA

NT-500DC

Mains Adaptor 230V (12W, 500mA, 6VA max.) with switchable outlet voltages: 3/4.5/6/7.5/9/12 V

Plug-in power supply unit with switchable outlet voltage for using small low voltage appliances on the 230 V mains supply.

Included in delivery: Eight different plugs (see photo) to connect with miscellaneous devices, one key for switching the outlet voltage.

UVN-200

UV Lamp 6 W (230V / 50 Hz)
with Euro plug and 5 m connection cable

- Two small plastic suction cups for safe fixation on the glass
- 6 W BL tube (propriety brand) for short curing times*

*Besides the UV radiation the real curing time also depends on the used resin. With this lamp all our resins cure in only two minutes.

UVA-200

UV Lamp 6 W (12V) with plug
for power outlet/cigarette lighter

- Two small plastic suction cups for safe fixation on the glass
- 6 W BL tube (propriety brand) for short curing times*

*Besides the UV radiation the real curing time also depends on the used resin. With this lamp all our resins cure in only two minutes.

LR-200

Replacement Tube 6W BL (proprietary brand)
for UVA-200 / UVN-200

Dimensions:
- Length: 212 mm
- Diameter: 16 mm

UVN-300

UV Lamp 230V with 2 suction cups with EURO-plug and 5m cable

- Two small plastic suction cups for safe fixation on the glass
- 8 W BL tube (propriety brand) for short curing times*

*Besides the UV radiation the real curing time also depends on the used resin. With this lamp all our resins cure in only two minutes.

UVA-300

UV Lamp 12V with 2 suction cups with plug for power outlet/cigarette cable

- Two small plastic suction cups for safe fixation on the glass
- 8 W BL tube (propriety brand) for short curing times*

*Besides the UV radiation the real curing time also depends on the used resin. With this lamp all our resins cure in only two minutes.

LR-300

Replacement Tube 8W BL (proprietary brand) for UVA-300 / UVN-300

Dimensions:
- Length: 288 mm
- Diameter: 16 mm

WPO-1415-S **FEIN Angle Polishing Machine Set 230 V / 1200 W**

Kit contains:
- FEIN Angle Polishing Machine WPO-14-15E
- Velcro pad Ø 125 mm
- FEIN polishing sponge, orange, Ø 150 mm
- FEIN polishing sponge, white, Ø 150 mm

WPO-14-15E **FEIN Angle Polisher 230V / 1200W**

- Compact and low-weight appliance with a high torque motor (weight: 2,5 kg)
- Idle-running speed adjustable from 200 - 1,500 rpm
- Delivery with handle cover and auxiliary handle

PSW-150 **FEIN polishing sponge, white, Ø 150 mm**

Fine-pored soft polishing sponge recommended for strongly curved glasses.

PSO-150 **FEIN polishing sponge, orange, Ø 150 mm**

Fine-pored hard polishing sponge for high stock removal rate.

FPM-3403

FLEX-Polishing Machine L 3403 VRG
230 V (50 Hz), 1.300 W

- Slim design and low-weight machine with a high torque motor (weight: 2,2 kg)
- Speed selection and accelerator trigger for a controlled acceleration to the optimal speed.
- Delivery as a set with bail handle velcro pad Ø 125 mm, FSW-160, 1 x FSB-160, 1 x wool pad Ø 150 mm

FSW-160

FLEX Velcro Sponge, white, Ø 160 mm

The white polishing sponge is very soft and therefore adapts perfectly to arched glass with only light pressure. Using it with our glass polish, please take into account that a new sponge absorbs a lot of polish. Only after reaching a certain saturation it will be effective.

FSB-160

FLEX Velcro Sponge, blue, Ø 160 mm

The blue sponge is a little bit harder than the white one. With the same pressure it will heat the glass faster but it will also help you to work faster. Using it with our glass polish, please take into account that a new sponge absorbs a lot of polish. Only after reaching a certain saturation it will be effective.

SRS-502-ECO **Scratch-A-Way, electric scratch removal system**

Kit contains:
- Polishing machine, 230V (50-60Hz) 150 W, 5,000 - 9,500 rmp.
- 5 Fine polishing discs
- 1 Marker
- 1 Loupe, 30-times magnified
- 1 Leather wipe
- 2 Cooling sponges, small
- 1 Instruction manual (multilingual)
- 1 Plastic case with foam lining

SRS-400-ECO **Scratch-A-Way, pneumatic scratch removal system**

Kit contains:
- Polishing machine, air consumation 260l 11.000 rmp. (operating pressure 6,0 bar)
- 1 Air Tool oil
- 10 Fine polishing discs
- other Parts like SRS-502 ECO

SRS-93054 **Fine Polishing Disc Ø 50 mm (with velcro) single**

SRS-93066 **Fine Polishing Disc Ø 50 mm (with velcro) package of 20 pieces**

GPF-250

GP-1000

GPF-250-DD

GPF-250 **ProGlass Glass Polish**
ready for use, bottle with 250 ml

GP-1000 **ProGlass Glass Polishing**
Powder to mix with water, box at 1,0 kg
(1kg powder makes 1,450ml polish)

GPF-250-DD **ProGlass Cardboard Display**
(without content) for 12 x GPF-250

ProGlass glass polish, liquid or powder, is a high-quality grinding and polishing product, for surface finishing of glasses. The ingredients are also applied successfully from the glass industry to remove scratches and to polish glass surfaces.

We recommend to use a polishing machine or an orbital grinder.

Fine scratches, transport defects, traces from the suction cup lifter, coatings and resistant dirt, can also be removed by hand. For that you take a clean cotton cloth, a lint-free tissue, a cloth to polish varnish or anything similar.

- High-quality polishing agent to remove scratches on the glass surface (e.g. caused by windscreen wipers, ice scrapers, cleaning sponges or similar things)
- Perfect for intensive cleaning before application of glass coating (and to remove old coatings or residues).
- Easy and safe application
- For hand and machine polishing

XP-050

XERAPOL Scratch Remover, tube at 50g
for acrylic glass and plexiglass

XERAPOL is a low cost solution for scratched backlights, caravan windows, boat windows, motorcycle windscreens and helmet visors. Easy application by hand or with the machine - use the soft sponge to avoid holograms. Not applicable on polycarbonate!

FSH-450

NEW

Flexible Suction Mount
450 mm long

The suction mount allows you very easy and safe to put a hand lamp on almost every flat surface on a vehicle. Thanks to the flexible arm the lamp can be adjusted easily to every position. With this device you can for example perform windscrren repairs even in badly lit places. But also the smart repairers will enjoy this little helper.

Technical data:
- suction pad Ø 120 mm
- flexible arm 38 cm long
- suitable for hand lamp Ø from 25-30 mm

FSL-450

NEW

Flexible Suction Mount with Hand Lamp
450 mm long

Kit contains:
- 1 flexible suction mount FSH-450
- 1 standard hand lamp 8W

SML-040

Pocket Microscope 40x with LED lamp

Pocket microscope made of plastic with LED lamp and fourtyfold magnification. Auxiliary tool for the repair and examination of scratches and stone damages on windscreens. For the LED lamp two batteries size AA are needed (comes without batteries).

SMK-025

Pen Microscope 25x

Pocket microscope made of aluminium and plastic with twentyfivefold magnification. Auxiliary tool for the repair and examination of scratches and stone damages on windscreens.

SL-015

Dome Magnifier 15x

Simple dome magnifier made of plastic with a transparent base. Nice tool for the repair and examination of scratches and stone damages on windscreens (fifteenfold magnification).

14 CLEANING, MAINTAINING & COATING

PBM-336

Paper Towel, 3-ply paper, blue
industrial quality, approx. 1000 towels 36 x 36 cm

A top class three-ply paper for highest requirements. Specially soft and absorbent quality.

PBX-538

Paper Towel, 2-ply paper, blue
industrial quality, approx. 500 towels 38 x 38 cm

Two-ply paper towel with glued plies for more volume and more suction power.

PWH-400

Paper Roll Holder, wall-mounted

Wall mounted paper roll holder, made of blue lacquered steel pipe, galvanised steel sheet and plastic.

PBS-400

Paper Roll Holder, free-standing

Free-standing paper roll holder, made of blue lacquered steel pipe, galvanised steel sheet and plastic.

SRK-950 **Glass Cleaner 40:1 Concentrate, bottle at 950 ml**

SRK-100 **Glass Cleaner 40:1 Concentrate, bottle at 100 ml**

Mix the very rich concentrate with clear tap water, mixing ratio 1:40. You receive 39 liters of ready for use glass cleaner at an unbeatable price-performance ratio.

The cleaner is a very powerful contamination and fat solvent with low alcoholic content. Cleaning result: absolutely free of streaks. Best suitable also to clean dashboards, linings and other plastics. The small outlet of the bottle cap makes mixing very easy. Just fill a container with the required amount of water and add concentrate.

MFT-3530 **ProGlass Microfibre Cloth colour: yellow, 35 x 30 cm**

Our microfibre cloth is perfect for final cleaning of car windows. The fine microfibre absorbs dust and fat contamination particularly well. With its chunky, looped knitting style it is at the same time most suitable for structured surfaces (e.g. dashboards and linings). Washable up to 90°.

SFL-1000 **Spray Bottle, industrial quality capacity 1.0 litre**

Blue, transparent plastic bottle with a capacity of 1,000 ml, for glass cleaner, soapy water and other non-corrosive liquids. The sprayhead is ergonomical shaped, comfortable handling even for frequent use. Equipped with a long lever to operate with three fingers. Due to the adjustable plastic spray nozzle you will obtain any desired result from atomised spray to a strong jet of water. For transport you just lock the nozzle.

DPZ-1500

Compressed Air Sprayer, professional quality capacity 1.5 litre

White, transparent plastic container with a capacity of 1,500 ml, for glass cleaner, soapy water or other non-corrosive liquids. Put container under pressure, using the integrated manual pump. To spray, you only need to push the thumb lever. This type of spray bottle is perfect when a large amount of liquid is needed, e.g. to install window films. The handle is ergonomical shaped, comfortable handling even for frequent use. Due to the adjustable brazen spray nozzle you will obtain any desired result from atomised spray to a strong jet of water. For transport you just lock the nozzle.

HRT-150

ProGlass cleaning towels, dispensing bucket at 150 pieces (approx. 28x28 cm)

The wet cleaning towels are perfect to remove even resistant dirt, on the way (in service vehicles, busses or lorries) but also at the work place where quick cleaning is required. Within seconds, fat, oil, grease, primer or onto glass adhesive will be removed without necessity to leave the work place.

The towels have an agreeable odour and they are eudermic. Suitable to clean tools and all other colourfast and water compliant surfaces, such as many plastics, seat covers, roofliners, interior linings and varnished surfaces.

FSD-025

NEW

Fein Vacuum Cleaner Dustex 25

Compact wet and dry extractor for workshop and assembly work.

Automatic start/stop for connecting up power tools.

Soft start function for smooth operation.

Included parts:
- 1 suction hose, 5 m, Ø 36 mm
- 1 groove nozzle
- 1 upholstery nozzle
- 1 floor nozzle
- 1 connecting piece
- 2 extension pipes
- 1 universal adaptor piece
- 1 filter bag

Technical data:
- Input: 1300 W
- Air flow: 3300 l/min
- Max. vacuum: 230 mbar
- Tank volume: 24 l
- Socket connection max.: 2000 W
- Weight: 7,0 kg
- Cable with plug: 6 m

FDB-025

NEW

Filter bag for DUSTEX 25
pack of 5 pieces

OMB-0011

Ombrello Glass Treatment
Applicator for single use

A contribution to your safety! Perfect visibility even on worst weather conditions! One single application of the patented glass treatment on windscreen and front side windows, lasts for 20,000 km or 10 months. Visibility improves up to 34 %, which means a significant reduction of your reaction time in critical situations. Ombrello Glass Treatment also makes it easier to remove ice and any contamination.

Despite numerous praised products, based on the auspicious nanotechnology, the patented original still remains our favorite!

Non of the competitive products tested on our premises reached the same long-lasting hydrophobic effect like Ombrello.

But look and see the difference yourself!

OMB-024P

Aquapel Glass Treatment,
Professional Pack at 24 pieces

Aquapel is the original name of ‘Ombrello’ in the USA and many other countries. You do not need a blister package and instead would prefer more product for the same money? Then this professional pack for 24 applications is exactly what you need.

OMB-6000

Ombrello Display Poster
DIN A1 (84 x 59.4 cm)

A large size, coloured advertising poster for your showroom or shop-window.

(only available in German)

OMB-4000

Ombrello Display for 12 blister packs OMB-0011 (delivered without content)

OMB-3333

Ombrello Demonstration Jar

A perfect sales promoter for your counter! This glass demonstrates the effect of Ombrello very clearly. The upper part is treated with Ombrello, the lower part is not. Glass contains a powder which turns into a brownish liquid when adding water (best to use destilled water). Shaking the glass will show that the water runs off the upper part (treated with Ombrello) immediately whereas the lower part stays hazy for quite a long time.

OMB-5000

Ombrello Sticker 40 x 35 mm

At the small sticker, made of transparent foil, there is a field to fill in the application date. Stick the label to the interior, bottom left corner of the windscreen and be sure, your client will not forget to have the Ombrello treatment renewed in due time.

PROGlass
PROGlass

CAP-016 **Cap in navy-blue, large, with embroidered ProGlass logo**

CAP-035 **Cap in navy-blue, small, with embroidered ProGlass logo**

Everybody has its own head - and therefore not every cap fits on every head! For larger heads we suggest the CAP-016, for smaller heads CAP-035.

TSHIRT **T-Shirt for Men**

T-Shirt in navy-blue, with embroidered ProGlass logo on the left arm and embroidered web address on the right arm. Men‘s style (slim fit cut), available sizes: M, L, XL

POLO-H **Polo Shirt for Men**

High-quality polo shirt in navy-blue, with embroidered ProGlass logo on the left arm and embroidered web address on the right arm. Men‘s style, available sizes: S, M, L

POLO-D **Polo Shirt for Ladies**

High-quality polo shirt in navy-blue, with embroidered ProGlass logo on the left arm and embroidered web address on the right arm. Ladies‘ style, available sizes: S, M, L

FLEECE-H **Fleece Jacket for Men**

Fluffy soft fleece jacket in navy-blue, with emboidered ProGlass logo. Men‘s style, available sizes: M, L

FLEECE-D **Fleece Jacket for Ladies**

Fluffy soft fleece jacket in navy-blue, with emboidered ProGlass logo. Ladies‘ style, available sizes: M, L

KAFFEE1 **Coffee mug “ProGlass”**

Porcelain mug, white, content 0,35 l
with imprint „ProGlass“
and „www.proglass.de“ (on strap-handle)

KUGEL-A **Ball Pen**

Ball pen with ProGlass logo and imprint:
www.proglass.de
Tel. 07023/900130

MESSER-C **Knife CUTTEX 9 mm**

Snap-off blade knife CUTTEX by Martor Solingen
with ProGlass logo and imprint:
www.proglass.de
Tel. 07023/900130

Blade size 9 mm. Suitable replacement blade item no. AB-10.

CADDY COIN **Caddy Coin with ProGlass logo**

Key ring with caddy coin on a snap hook. The chip shows the ProGlass logo on both sides.

SCHIRM-S **Umbrello, small**

Small and light-weight Samsonite pocket umbrello with ProGlass logo on the cover. The umbrella itself is also dark-blue and has not promotional imprint.

MULTI-TOOL **Multi Tool**

Classical multi tool by Herbertz Solingen with wooden applications, laser engraving www.proplass.de on the knife blade.

Incl. several screwdriver bits and a belt pouch made of leather.

SPANNBAND **Banner “ProGlass” 200 x 100 cm**

Large banner with ProGlass logo

SPANNBAND2 **Banner “ProGlass” 200 x 40 cm**

Small banner with ProGlass logo
and imprint „Autoglaswerkzeuge und Zubehör“
(available with different imprints on request)

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SVR-2	74	UML-332	71	VR-115	199	WKSTR	56		
SWA-2316	82	UMS-437	71	VR-205	199	WKTDM-BX	57		
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Terms and Conditions

1. Conclusion of Contract
The following general terms and conditons are subject to all deliveries and services of ProGlass GmbH, hereinafter called ProGlass. Deviations of these terms and conditions on side of the purchaser are only recognised insofar as ProGlass expressly agrees to them in writing. The purchaser is bound to his order for three weeks. In case of unauthorised withdraw, ProGlass can claim damages including lost profit. ProGlass is entitled to decline acceptance of order for featured articles or goods out of stock, within three weeks after order has been placed.

2. Prices
All prices are net, excluding VAT (Value Added Tax). Prices are subject to change without prior notice at any time.

3. Delivery
FCA (Free Carrier) Weilheim/Teck, Germany, including packing, excluding transportation costs and customs duties. The transportation is at the consignee‘s risk. Apart from other delivery specifications on part of the purchaser, delivery is carried out by DHL parcel service or, depending on the size of consignment, by forwarding agent Danzas/DHL.

4. Payment
Purchasing price as well as possible additional charges are payable with delivery. All invoices are to be paid to the imprest account named by ProGlass. Cheque payment is only considered as effected on day of encashment. Possible cheque fees are at the expense of the purchaser. We reserve the right to ask for payment in advance or cash on delivery for initial orders or in case of missing references.

5. Minimum order
Please note that the different export regulations for EU, EFTA and Third countries may result in different minimum order values. To receive further information for your country please contact us.

6. Return of goods
Any returns have to be notified and authorised in advance. Acceptance of returned items is at our sole discretion. All returns are subject to a general restocking fee of 15% of the net value of goods. Items will not be credited if they are damaged, used or in any other way not saleable.

7. Warranty
Any warranty claims must be submitted immediately in written form. It is our sole right under this warranty to repair the defective item or replace it, at our option, without charge. Unless otherwise specified, all sold items are expressly warranted to be free from defects in material and workmanship for 12 months (for commercial purchasers) and 24 month respectively (for private individuals) from the date of delivery. All other warranties are disclaimed.

8. Ownership reservation
Title to the goods shall remain with the seller until all outstanding amounts are fully paid. In the case of resale the debt claim to the third party is to be assigned to the seller.

9. Data storage
Person related data in connection with the privity of contract will be stored by us.

10. Place of performance and jurisdiction
Place of performance and jurisdiction is D-73230 Kirchheim unter Teck (Germany). We reserve the right to sue at the place of the registered office or residence of the buyer.

As of 01.04.2008 (updated version on our website www.proglass.de or upon request)

ProGlass GmbH

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Item Number PG-2011-E